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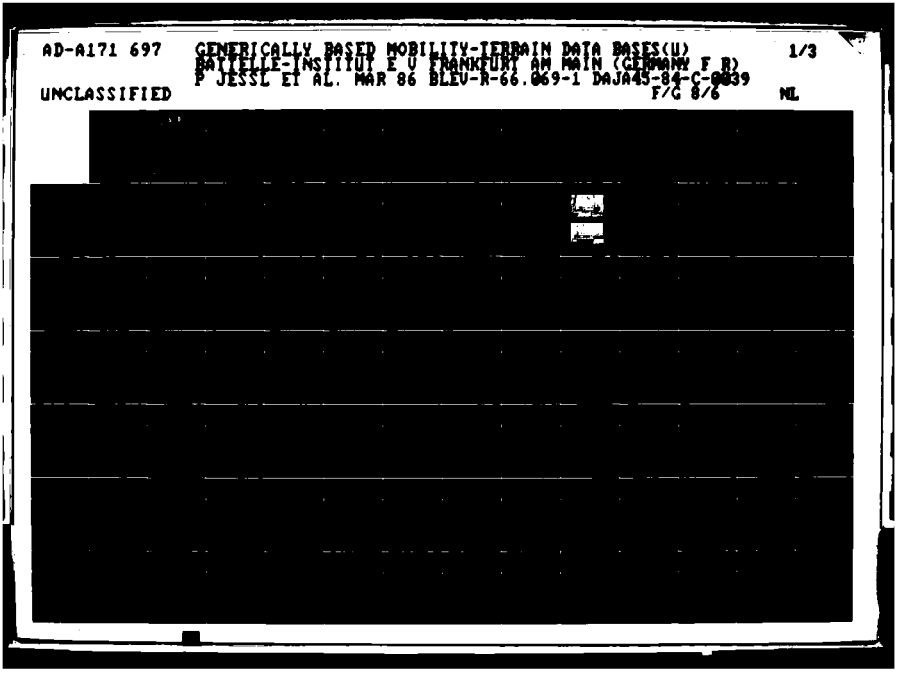

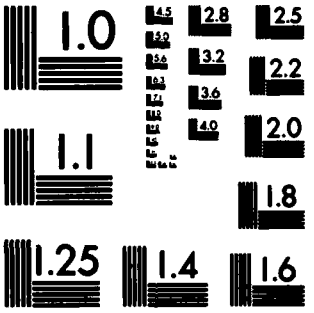

Report

Battelle
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Generically Based Mobility-Terrain Data Bases

BIeV-R-66.069-1

Generically Based Mobility-Terrain Data Bases

Final Report

by

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Battelle-Institut e.V., Frankfurt/Main, West Germany

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C O N T E N T S

FOREWORD

The study reported herein was conducted by Battelle-Institut (BF) Frankfurt, FRG, Vehicle Technology Department on behalf of the US Army Engineer Waterways Experiment Station, CE, Vicksburg, Mississippi, under a contract from the US Army European Research Office, London. It is part of joint efforts by WES and BF to evaluate and improve the reliability of existing terrain data acquisition methods as well as new modeling approaches for generically based mobility terrain data bases.

The personnel acquiring the various field data included: P. Jessl, P. Corvin, G. Karsubka and F. Rischbieter, Vehicle Technology Department (BF). Data reduction and software development for various data evaluation procedures were under the responsibility of W. Resch and P. Corvin. The report was written by P. Jessl, W. Köppel and W. Resch. W. Köppel was the principal investigator.

ABSTRACT

This report contains an analysis of standard and advanced terrain data acquisition techniques for areal mobility evaluations. In detail, generic terrain descriptors for FRG terrain conditions were investigated for a total of 35 cell areas.

Relations among soil dynamic parameters and conventional mobility index numbers were analyzed for a total of 23 sites. Relationship between cone index field data and computer model data was investigated for a total of 19 sites.

Key words:
Mobility
Generic
Terrain data

PART I: INTRODUCTION

Background

Mobility evaluation of vehicles within the European theater of operations calls for indentification of representative operational areas of terrain. Through such terrain areas which are characterized in terms of mobility terrain descriptors, large-scale mobility quantifications can be made possible by means of available and future standard mobility terrain data bases at 1 : 50.000 scale. Generally it is aimed to quantifiy vehicle mobility across large operational areas at considerably reduced cost involved. In order to achieve these goals WES has been investigating since 1983 a generic mobility-terrain description approach/procedure which identifies suitable small areas that are representative of large areas subject to mobility evaluation needs.

Purpose and Scope

The purpose of the study was to evaluate the reliability of the generics approach by detailed field examination of terrain data as well as in particular to determine critical soil parameters. The latter were subject to detailed comparative analysis in order to allow for future extension of existing conventional soil parameter data bases towards soil dynamic parameter description which are required to drive advanced mobility models or submodels /1/.

Part II: METHOD OF ASSEMBLING GENERICALLY BASED MOBILITY TERRAIN DATA BASES

Selection of Quadrangle Sheets

A total of 35 terrain sample cells of 10x10 km quadrangle size were selected by Battelle/WES within the FRG. These cells were identifying the most, medium and least representatives of a particular generic region which was determined by these factors:

- landform-topography;
- Natick slopes;
- average temperature/January; and
- mean value of annual rainfall.

The cell characteristics were based on the following terrain factors:

- USCS soil type;
- agricultural land use;
- forest type;
- vegetation cover; and
- geology rock type.

The representativity was tested by WES by means of a chi-square test of observed and expected (modeled) factor values. Thus, the above ranking of quality of fit was performed in order to quantify which factor classes best fit the distribution for each region out of the six regarded here. For the purpose of identifying the most, the medium and least representative cell elements as a composite result of all five terrain factors, WES pre-established weighting factors for the terrain factors reflecting their influence on a vehicle's mobility:

- soil (weighting factor 4)
- land use (3)
- forest type (2)
- vegetation cover (1)
- geology (1)

The distribution of the sampling cells to be visited is shown in figure 1. The generic regions involved which were identified as essential for the evaluation and reliability test of generic descriptors were the following:

- region 1 (10 cells selected)
- region 2 (5)
- region 6 (5)
- region 21 (4)
- region 26 (4)
- region 48 (10)

The number of cells visited for each region is given in parentheses.

Acquisition and Analysis of Terrain Data and Evaluation of Generics Descriptors

Within the 35 cells a suitable number of sites - usually a dozen of locations - was visited in order to determine quantitative terrain data compatible with the Army Mobility Model (AMM) format. Areal photographs were acquired in order to support the vegetation, forest and land-use distributional characteristics. As a general qualitative result of these detailed data acquisition campaign, it can be concluded that the WES regionalization concept basically reflects the terrain conditions met on the ground. However, the detailed WES analyses on vehicle performance predictions for various wheeled and tracked vehicles and soil strength conditions revealed some need for readjusting the Natick slope description currently applied.

It was also observed in the field that the scattered occurences of terrain features like sand dunes and hedgerows within regions 1 and 2 need to be regarded as major characteristics of areal terrain encountered in the Northern Plains of the FRG heavily influencing a vehicle's mobility. The large size drainage ditches (top widths of 12', bank heights of 3-4', water depths of 1.5', and bottom widths of 3' at average) considerable impede mobility of both wheeled and tracked vehicles and need to be regarded as a basic terrain feature of these regions in the Northern Plains.

PART III: RELIABILITY OF GENERICALLY-BASED MOBILITY/TERRAIN DATA BASES

Site Selection

A total of 23 sites were identified as being critical to vehicle mobility within the above defined 35 cell areas visited. Selection was based on field experience and subjective criteria within the above mentioned six generic regions. Site characteristics are shown in table 1 including soil types and cone index values obtained for two wet seasonal periods in October 1984 and May 1985. Soil types involved were mainly fine grained and organic ones with cone index values averaging 60-70 psi for the first 6"-layer at the above mentioned extremely wet/low strength boundary conditions.

These sites were also a subset of those to be investigated by means of soil dynamic parameters (cp. Part IV) and provide a basis for any future cone index, remolding index and shear box data reduction. The meterological data conditions are fully described through long range observations of all relevant climatological data for the nearest weather stations available at each site (see tables 2 - 6).

Analysis of Critical Site Conditions and Terrain Factor Data

From the above AMM terrain data, the meteorological and climatological data as well as various terrain classification products from German barrier team field work (e.g waterway-folio) a full-scale environmental site description is available for the critical sites.

Taking into account the remolding index values determined during the transitional period of May 85 average rating cone index of 38 psi were observed at the 23 sites with a range of 9 - 82 psi and 10 sites showing RCI < 30 psi. These conditions are extemely critical to MBT performance and also APC manoevers if multipass traffic is assumed.

Comparisons for the soil strength data - which is the most critical terrain factor descriptor - at these sites selected yield good results if they are applied in a regional mode:

Evaluating strength data (cone index and rating cone index) for identical generic regions but different quad sheet areas shows good correspondence at least for such sites exhibiting identical soil types (OH and CL soils) within regions 1, 21, 26 and 48 (see table 1).

It is recommendable to complete the sample size of these sites in two ways:

- extension of time series for given sites
- extension of sample size for given soil types.

Thus, it can be envisaged in combination with the soil dynamic parameter determination (see below/Part IV) to establish a critical site terrain data base.

PART IV: RELATIONS AMONG SOIL DYNAMIC PARAMETERS AND CONVENTIONAL MOBILITY INDEX NUMBERS

Site Selection

A total of 35 sites within regions 1, 2, 6, 21, 26 and 48 were selected based on the availability of sufficiently different soil types within the fine-grained range as well as organics (see table 7). Site selection was primarily designed that - if accessible - locations were in coincidence with those locations having been visited earlier. Thus, a continuous recording of conventional and dynamic soil parameters can be ensured for varying seasonal environmental conditions.

Measurements of Soil Engineering Properties

The above sites were visited during extremely wet seasonal conditions in April/May 1985 (tables 1 and 7) ensuring real worst case soil strengths. At each site the following soil parameters were investigated

- o field soil type
- o cone index 0 - 24"
- o remolding index 0 - 12"
- o bulk sample for determining
  - oo Atterberg limits
  - oo moisture content
  - oo grain-size distribution curve
  - oo dry and wet densities
  - oo soil type determination (USCS)

In addition to that, at 23 out of 35 sites direct shear tests were conducted with a WES shear device. Direct shear tests were conducted by using normal loads of 8,89.6 and 180 lbs. corresponding to normal stresses of 0.5, 5.6 and 11.25 psi, respectively. Fig. 2a shows a typical load - deformation curve obtained from a field test. Test data were shown by an x-y plot directly in the field as well as digitally recorded by a digital-signal analyzer (DSA) (see Fig. 3). A series of at least three or more tests (for each normal load applied) is required in order to obtain reproducable results for the soil parameters to be quantified. Thus, a quick in-situ control of each test's reliability is possible. The soil parameters to be determined are

- initial shear stiffness G, psi/in
- cohesion c, psi
- friction angle ϕ, deg.

Data Evaluation

The initial slope of each load vs. deflection curve defines initial shear stiffness G of the sample, while the peak stress obtained defines the maximum shear stress . Deflection at peak stress related to time defines the deflection rate.

For each site a shear stress vs. normal stress plot is generated (see Fig. 2b) based on all tests performed at a site (see table 8). Determination of cohesion c and friction angle ϕ was done by means of mean values of the various normal loads applied for each test; c is defined as the point of intersection of the τ-σ- curve with the ordinate at $\sigma = 0$ while ϕ is defined as the gradient at maximum normal load or stress (180 lbs/11.25 psi).

It has to be mentioned that the determination of G, c and ϕ was not made through a computerized data evaluation due to various reasons: The initial slope e.g. could not be calculated automatically because the digitized values were overlayed by some oscillation, probably caused by frictional influence between upper and lower part of the shear box at the beginning of the deformation process.

Also c and ϕ did not allow for computerized evaluation as the different test results were remarkably deviating in many tests and because only three normal loads were available as discrete values for a tentative curve fit. Therefore, future test series should be designed with 5 normal loading conditions at least (0.5, 2.5, 6.0, 10.0 and 14.0 psi for example).

Investigation into the Relationship between Cone Index and Shear Box Data

Correlation of shear stress data with conventional mobility index numbers, i.e. cone index and rating cone index data was investigated for 23 out of the 35 sites visited.

Correlations were basically intended to be made while keeping the following parameters constant

- soil type (Pt; OH; CL; ML and SM) (see figs. 4 to 33)
- moisture content (20-50%, 50-70%, 70-100%, > 100%) (see figs. 34 to 57)
- organic ingredients (5-10%, 10-20%, > 20%) (see figs. 58 to 75)
- plasticity (0-20%, 20-50%, > 50%) (see figs. 70 to 93)

Classes for the above parameters were chosen based on pragmatic criteria as to allow for sufficient sample size at each site.

For all correlations established the normal stresses were kept constant, too.

$$\sigma' = \text{const. (0.5, 5.6, 11.25 psi)}$$

All correlations were done in a linear mode. The mean values of the correlation coefficients r_i for the basic soil parameters above are comprehensively shown in table 9. Some of the conclusions to be drawn out of these data are

- a correlation of all soil types encountered obviously does not make much sense. Fine grained soils exclusively (CL, ML, OH) yield good to very good correlation results.
- generally, moisture content and plasticity provide best correlation coefficients; however, low normal load created problems for plasticity results.
- also organic ingredients showed some good correspondence if rating cone index was addressed; again, low normal stresses (0.5 psi) needed to be excluded here.

In fact, negative correlation coefficients were also occuring; this was due to the lack of sufficient sample size accompanied by extremely large deviations. Negative coefficients were not regarded during the establishement of mean values in table 9.

Based on the assumption that correlation coefficients of $0.6 < r < 0.8$ represent high accuracy of shear stress vs. cone index and $0.8 < r \leq 1$ represents extemely high accuracy it can be concluded that moisture content is the most reliable, load independent descriptor for establishing relationships between conventional mobility index numbers and soil dynamic parameters. Plasticity also shows very good results if the lowest normal loads are neglected.

Investigation into the Relationship Between Field Cone Index Data and Computer Generated Data

Based on a WES mathematical model /2/ that is treating cone penetration as expansion of a series of spherical cavities in an elastic-plastic isotropic medium cone index values were generated and compared with field cone index data at the above mentioned sites.

The analytical predictions with the cone model are based on a standard WES cone pentrometer with a 30-degree, right-circular cone of 0.5 in^2 base area.

Soil input data to the model are

- cohesion c
- friction angle ϕ
- initial shear modulus G and
- bulk density

The determination of the initial shear modulus created some problems as already outlined before. For the comparative evaluation of field and model cone index data here the mean value of G was determined based on normal stress conditions of σ = 5.6 psi and σ = 11.25 psi. The stress condition σ = 0.5 psi did not allow for reliable data reduction and was neglected therefore.

Taking into account the depth of the shear plane of the shear box tests which was predominantly 4" the same depth of 4" was regarded

for the cone prediction, as well as a range of 3-5" for averaging cone index values across a small depth band to take care of potential outliers.

Table 10 shows the comprehensive results for 19 sites considered. It needs to be mentioned that deviations of less than 10% were observed in 11 out of 19 cases. Plots of cone index vs. depth are given in correspondence to table 10 in figs. 94 to 119. Here, the soil profile was organized in 4 layers for site numbers 1, 3, 9, 10, 11, 20, 27, 28, 34 and 35. Layer boundaries were subjectively introduced

where the last layer was based on assumed data in order to alleviate cone index increase beyond 6" with increasing depth in case of a normal strength profile. Density of each layer was kept constant. Variation of c and ϕ was marginally done based on the numerous test results obtained from the shear tests; table 10 shows all corresponding mean values while figs. 94 to 119 give the evaluation results.

It can be concluded that the cone prediction model yielded results which are in good agreement with the measured field data at the various sites visited.

PART V: CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Based on the results of the numerous field data results obtained for the various regions within the FRG it can be concluded that the WES generically based mobility/terrain data approach proved to provide reliable data for future tasks of mobility evaluations.

The survey on soil dynamic parameters and conventional cone index numbers reveals a good correspondence for the soils variety encountered with moisture content and plasticity for the fine grained soils standing as key parameters for establishing mutual correlations.

Recommendations

It is recommended to specifically ensure that the existing cone index terrain data bases for FRG terrain in detail are extended to be described in terms of soil dynamic parameters. The results of feasibility obtained from the limited number of sites in this study are extremely encouraging. Thus, a supplementary investigation of sites for varying environmental conditions - preferably including the worst wet-wet case - needs to be done in order to establish basic routines of translation and completion for soil dynamic parameter data to be inferred from conventional mobility index numbers.

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/2/ Rohani, B. and Baladi, G.Y.: Correlation of mobility cone index with fundamental engineering properties of soil
Misc.paper SL-81-4, April 1981
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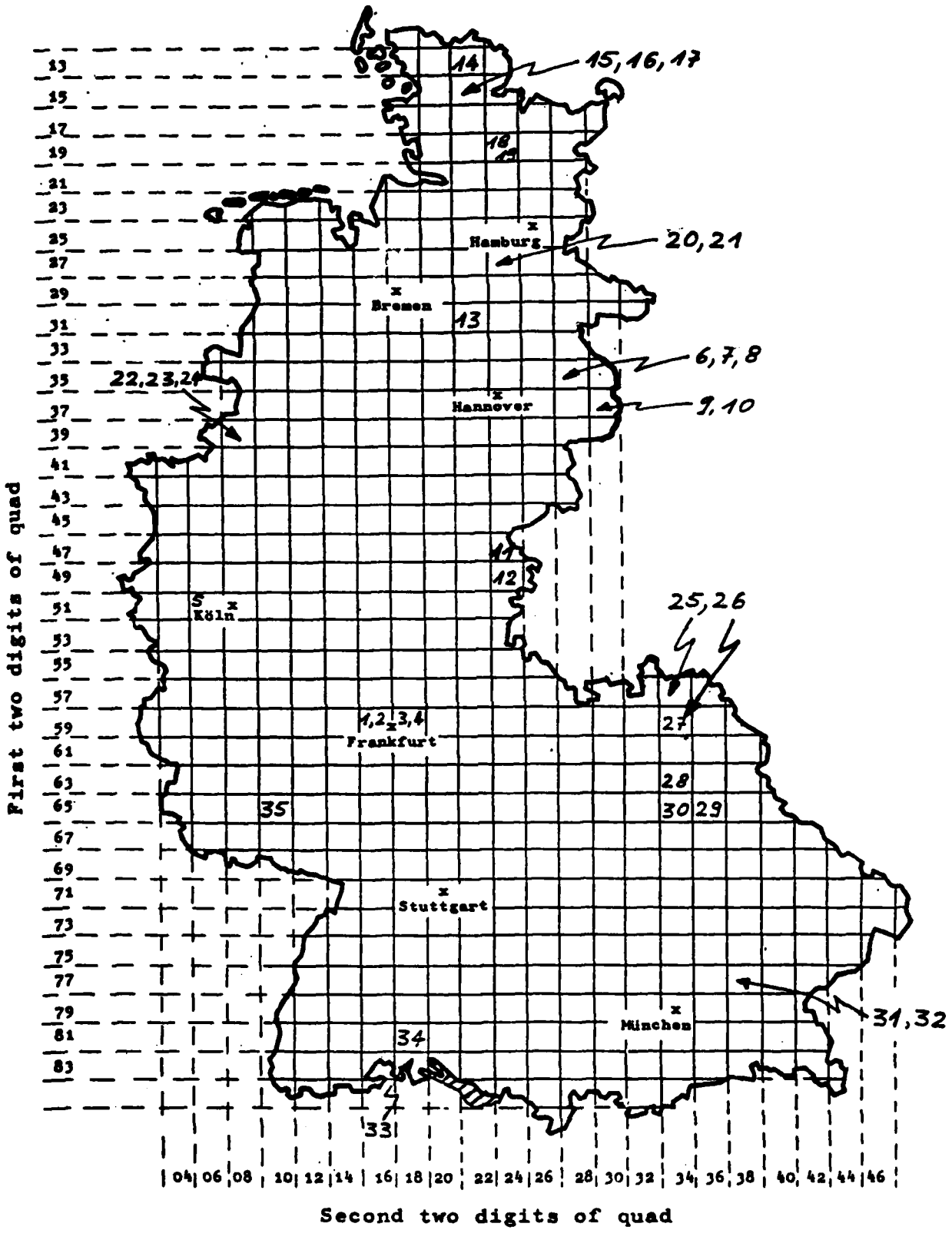


Fig. 1 Distribution of the 35 Sampling Cells Visited in the FRG

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL - 1985 -

DIRECT SHEAR TESTS - TEST SITE - EDDERSHEIM - QUAD SHEET L 5916

SITE NO.: 1 GRID COORDINATES : 6050/4170

TEST NO: T144 DATA-FILE#: BODEN 3 69-70

TEST-TEAM : P.JESSL / P.CORVIN

INITIAL MODULUS	RATE	PEAK SHEAR LOAD	PEAK SHEAR STRESS	DISPL.AT PEAK
psi/inch	inch/s	lbs	psi	inch
127.29	1.34	42.63	2.7	.32

NORMAL LOAD	NORMAL STRESS	SAMPLE DEPTH
lbs	psi	inch
8.00	.50	4

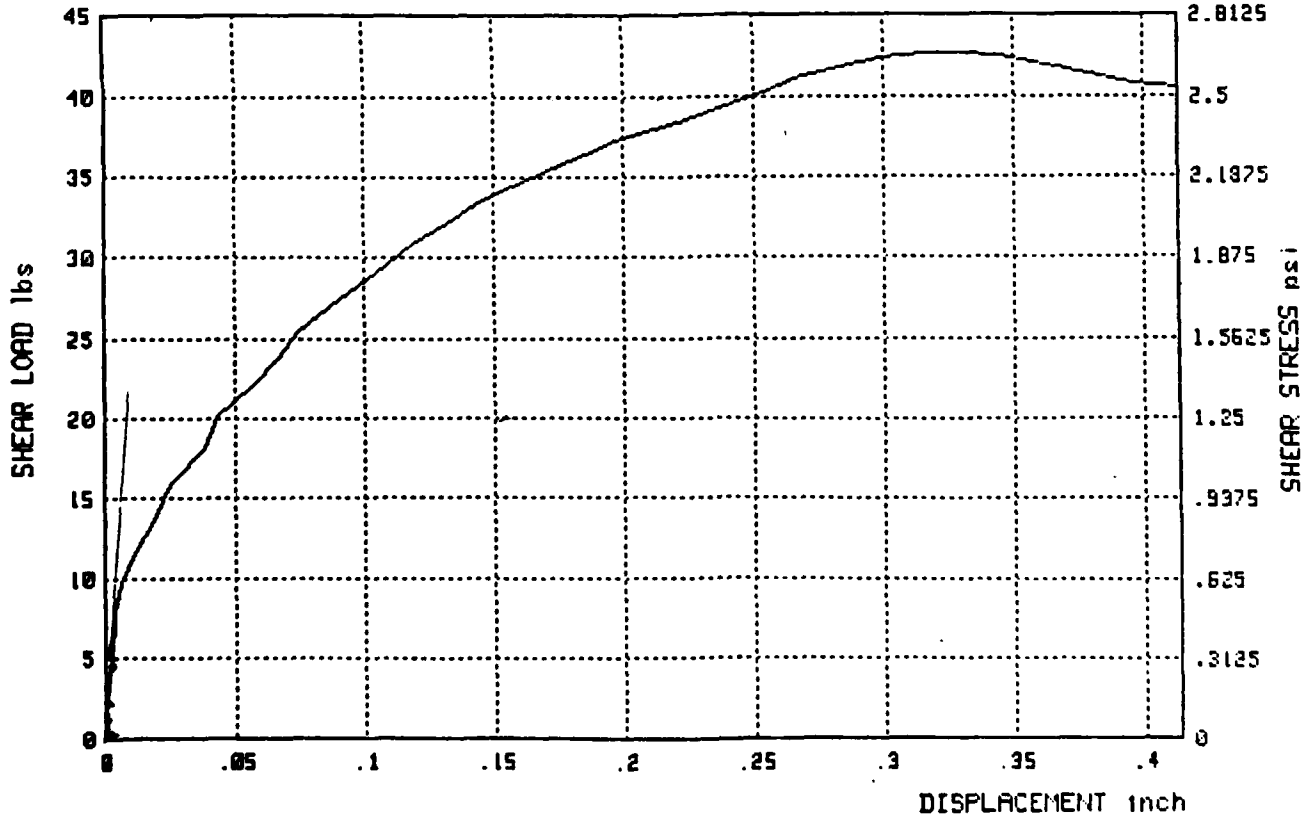


Fig. 2a Typical Shear Load-Deformation Curve Obtained at a Test Site

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

DIRECT SHEAR TESTS TEST SITE : - EDDERSHEIM - QUAD SHEET : L 5916

SITE NO.: 1 GRID COORDINATES : 6050/4170

TESTSERIES : 141-155 TEST-TEAM :- P.JESSL/P.CORVIN -

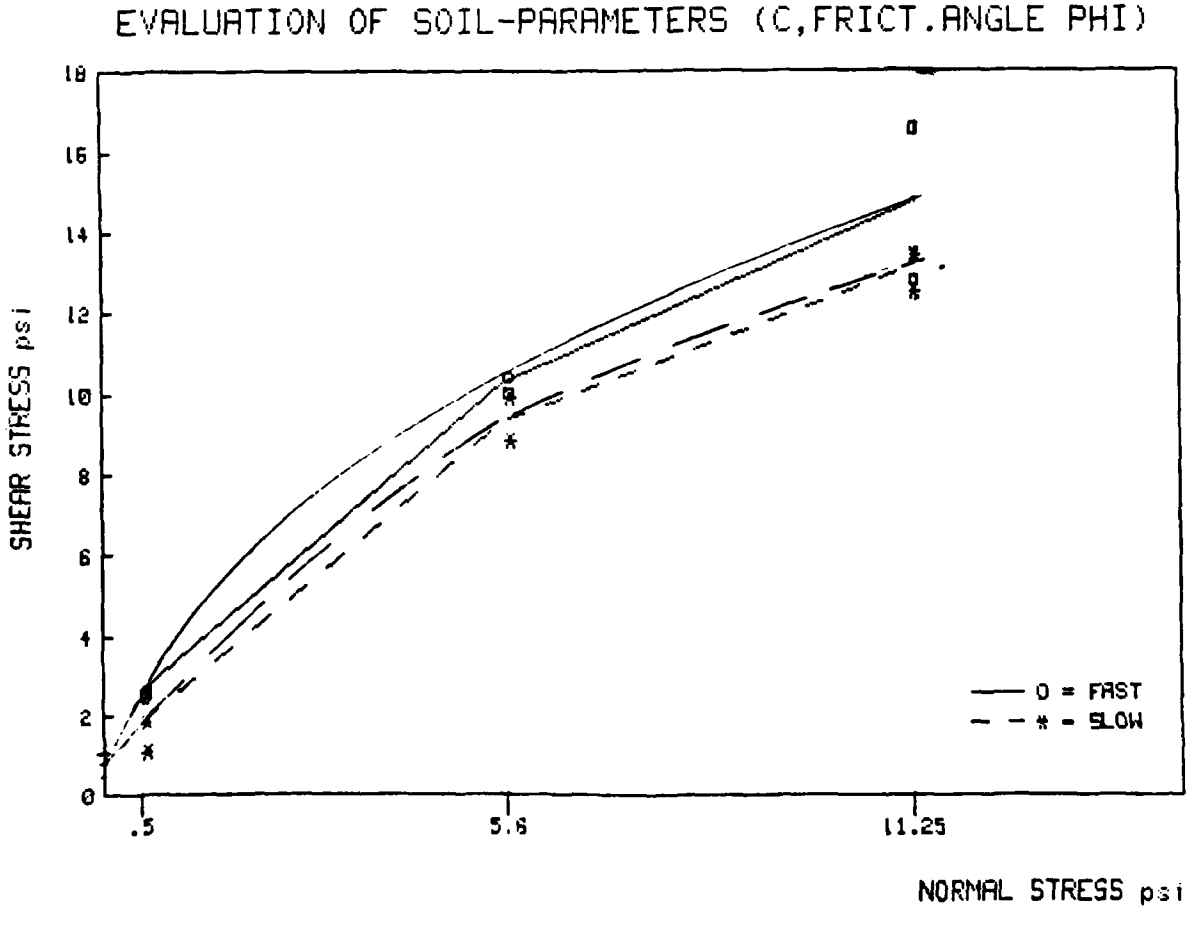


Fig. 2b Typical Shear Stress vs. Normal Stress Curve Obtained at a Test Site

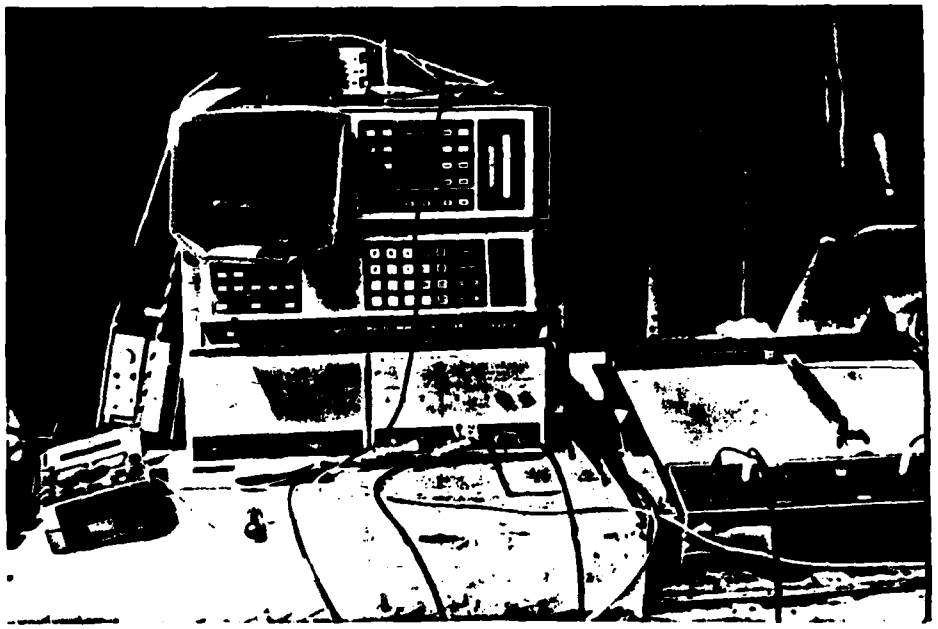


Fig. 3 View of the Mobile Shear Test Field Equipment Mounted on a Van

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: Pt

LINEAR REGRESSION: Y = a + b * X

a = 2.51
b = 2.7909E-02

CORRELATION COEFFICIENT R = .3704

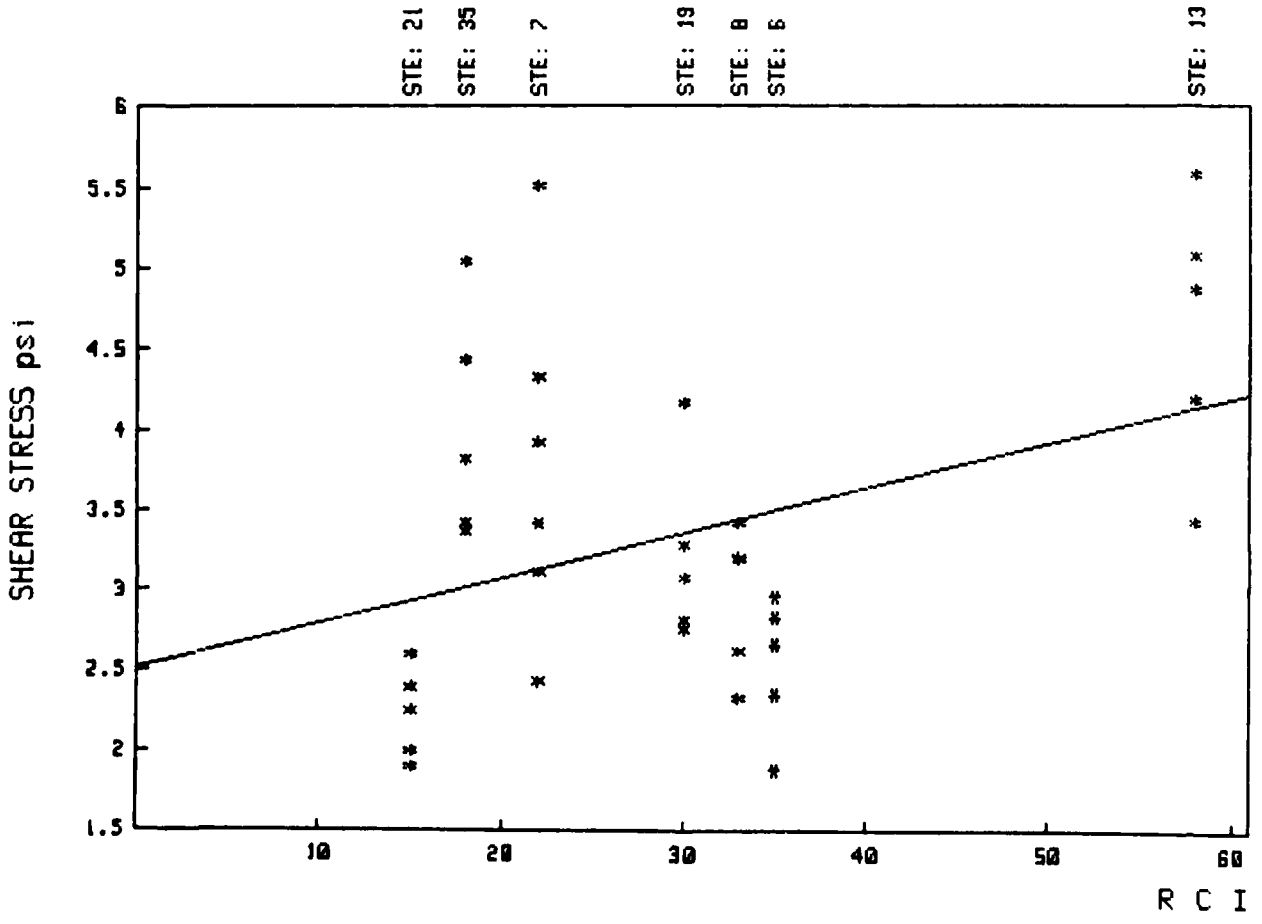


Fig. 4 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: Pt

LINEAR REGRESSION: Y = a + b * X

a = 3.56
b = 1.2979E-01

CORRELATION COEFFICIENT R = .6442

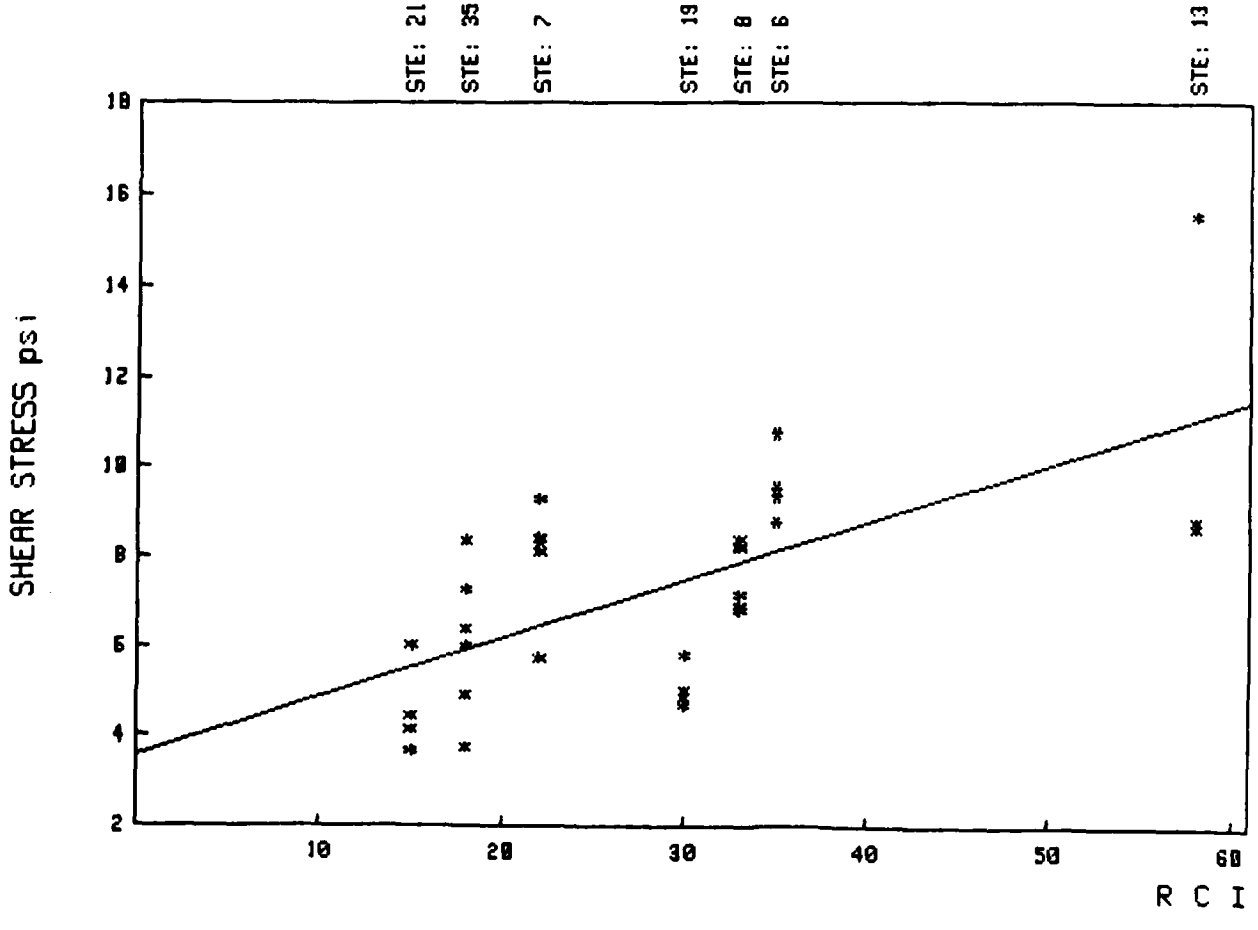


Fig. 5 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: Pt

LINEAR REGRESSION: $Y = a + b * X$

$a = 7.11$
$b = 6.3042E-02$

CORRELATION COEFFICIENT $R = .3301$

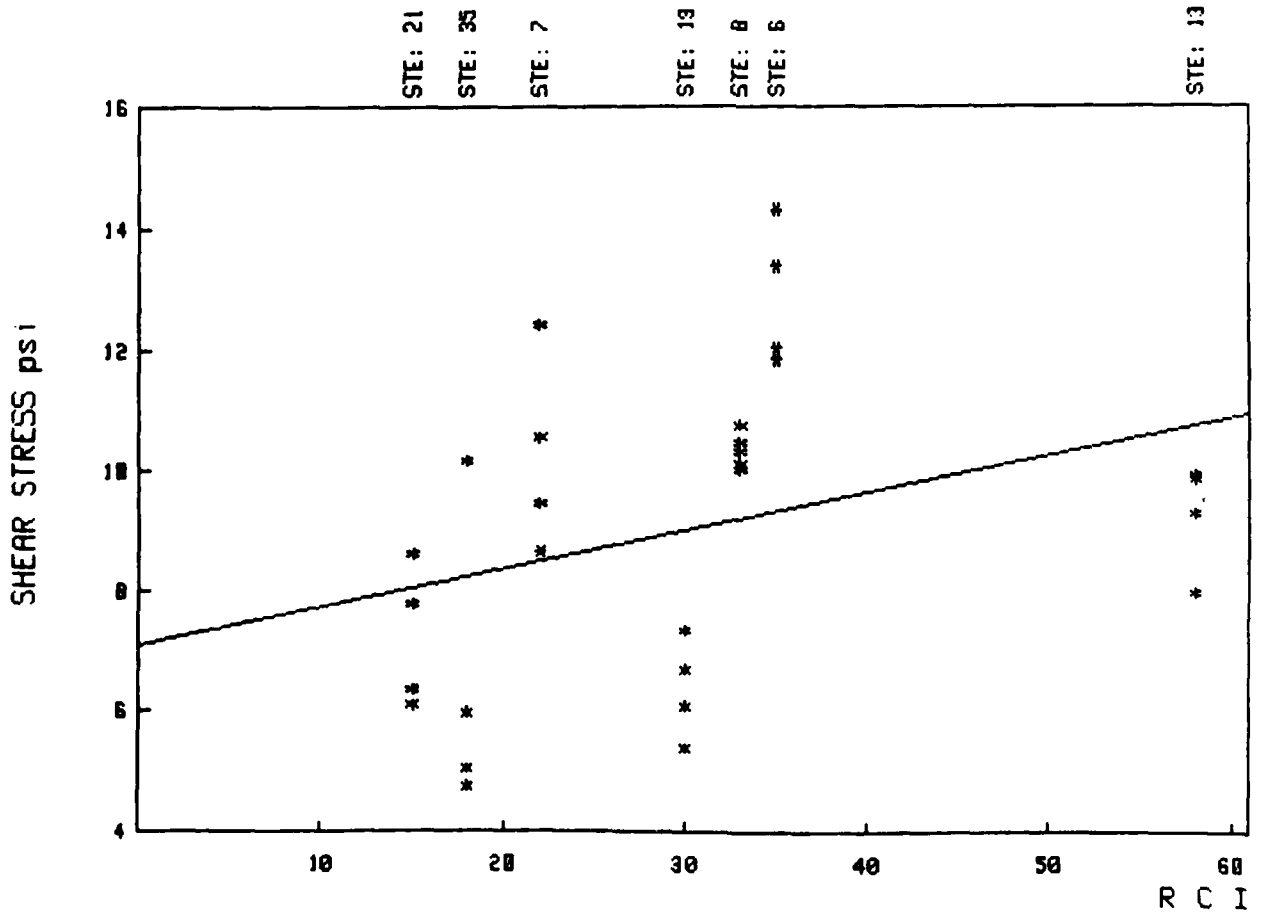


Fig. 6 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: Pt

LINEAR REGRESSION: $Y = a + b * X$

$a = 1.96$
$b = 2.6570E-02$

CORRELATION COEFFICIENT $R = .4324$

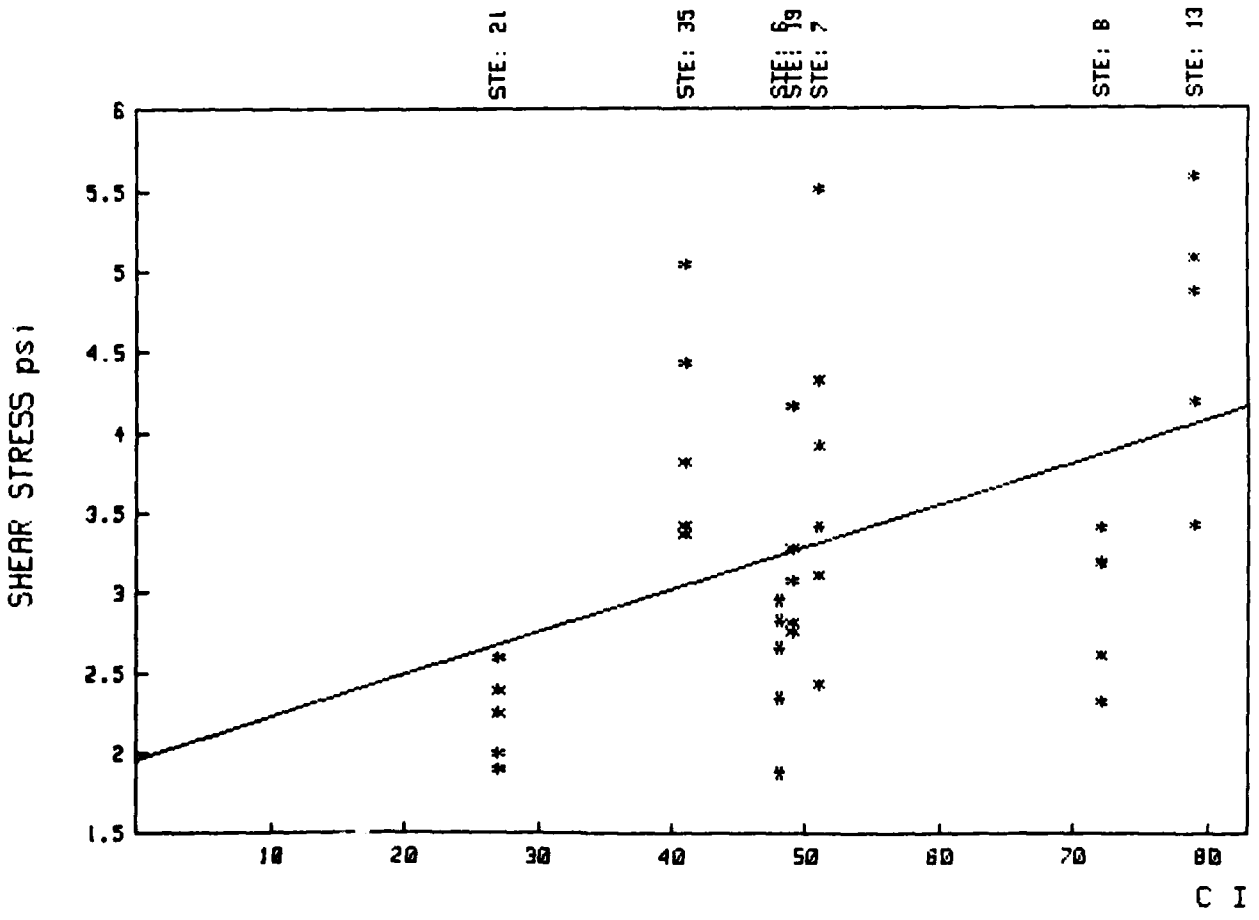


Fig. 7 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: Pt

LINEAR REGRESSION: Y = a + b * X

a = 2.80
b = 8.5450E-02

CORRELATION COEFFICIENT R = .5619

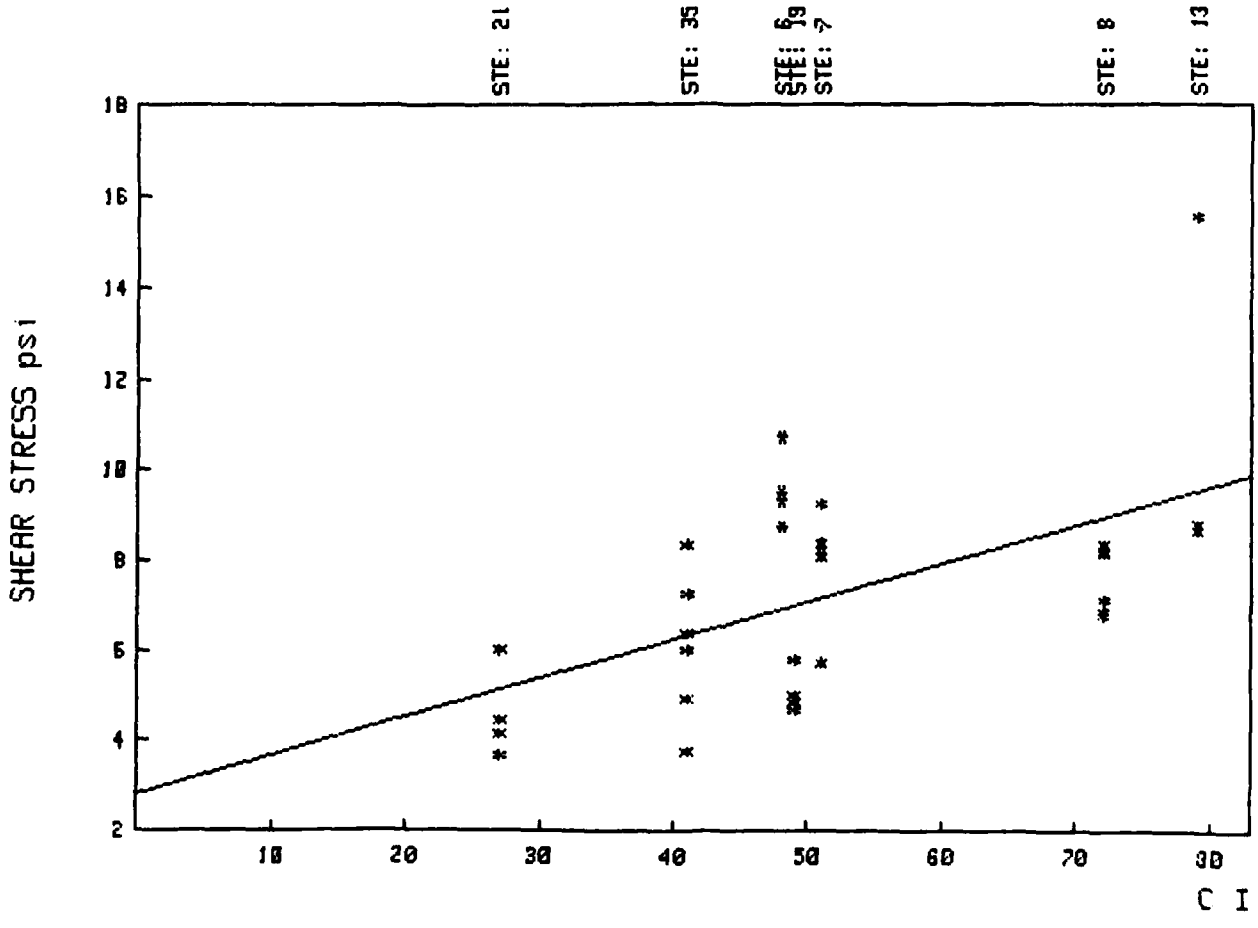


Fig. 8 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 7 8 13 19 21 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: Pt

LINEAR REGRESSION: $Y = a + b * X$

$a = 6.25$
$b = 5.2160E-02$

CORRELATION COEFFICIENT $R = .3444$

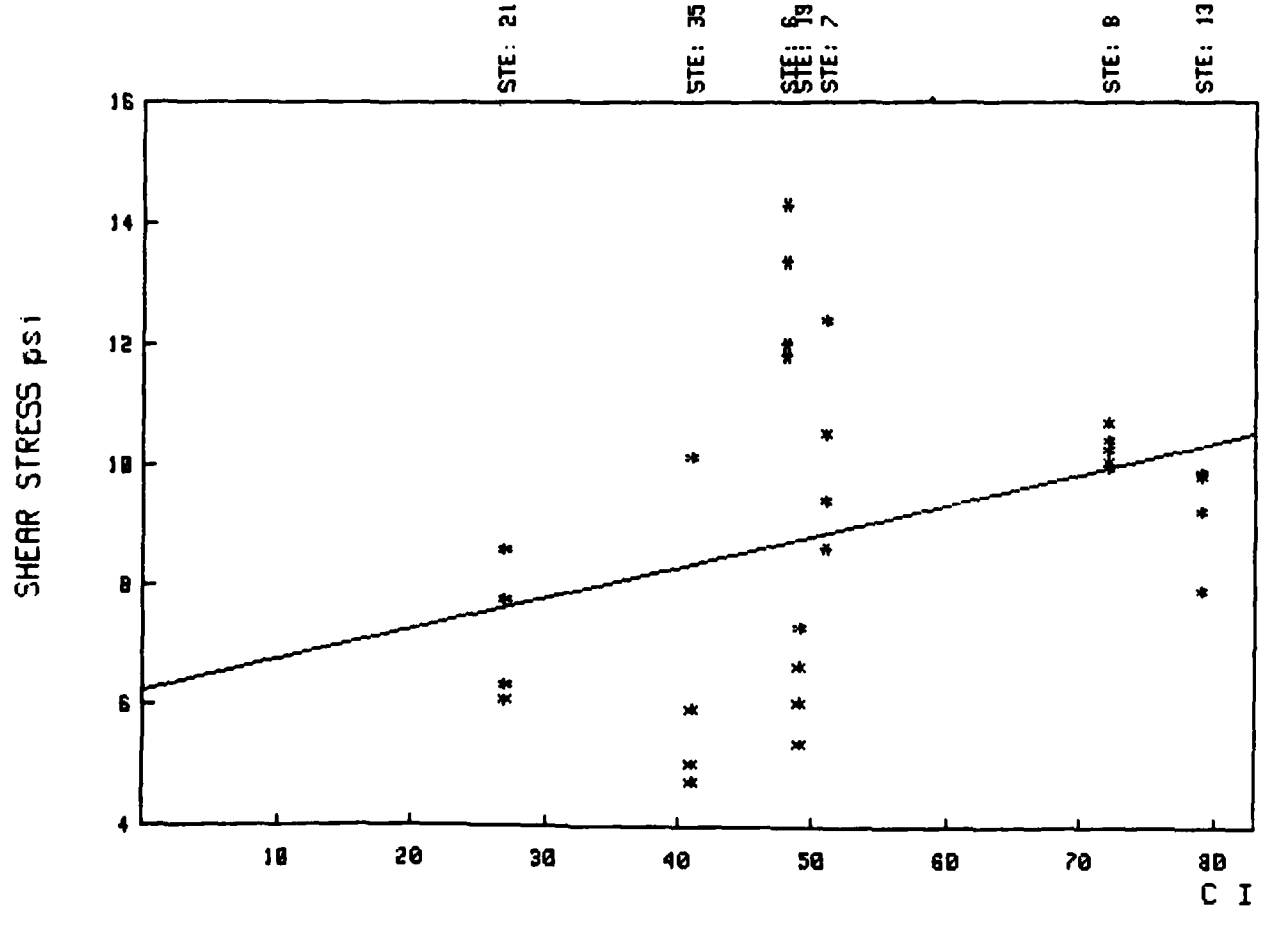


Fig. 9 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 6.88
b = -1.5621E-02

CORRELATION COEFFICIENT R = -.1022

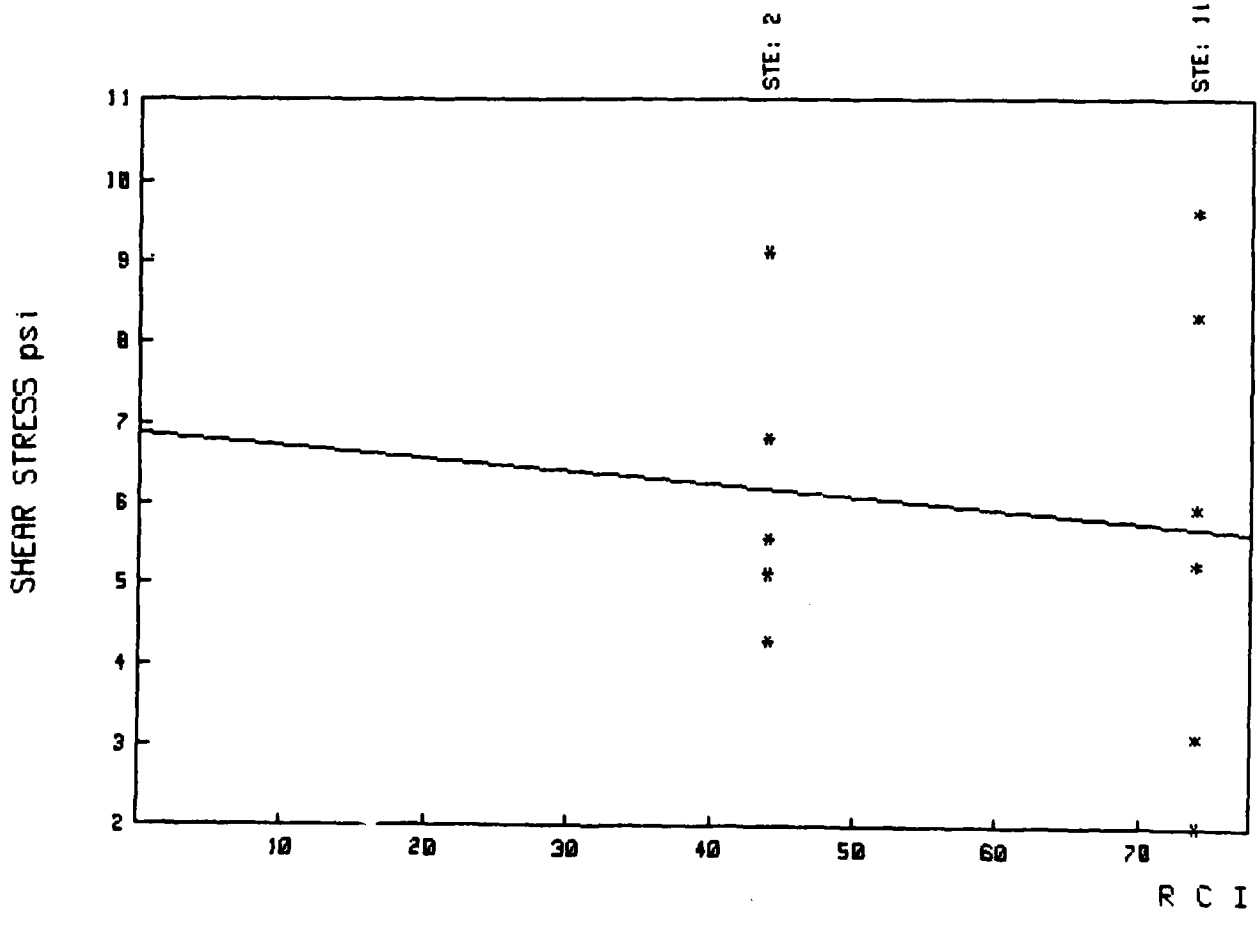


Fig. 10 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 10.65
b = 3.5833E-02

CORRELATION COEFFICIENT R = .4598

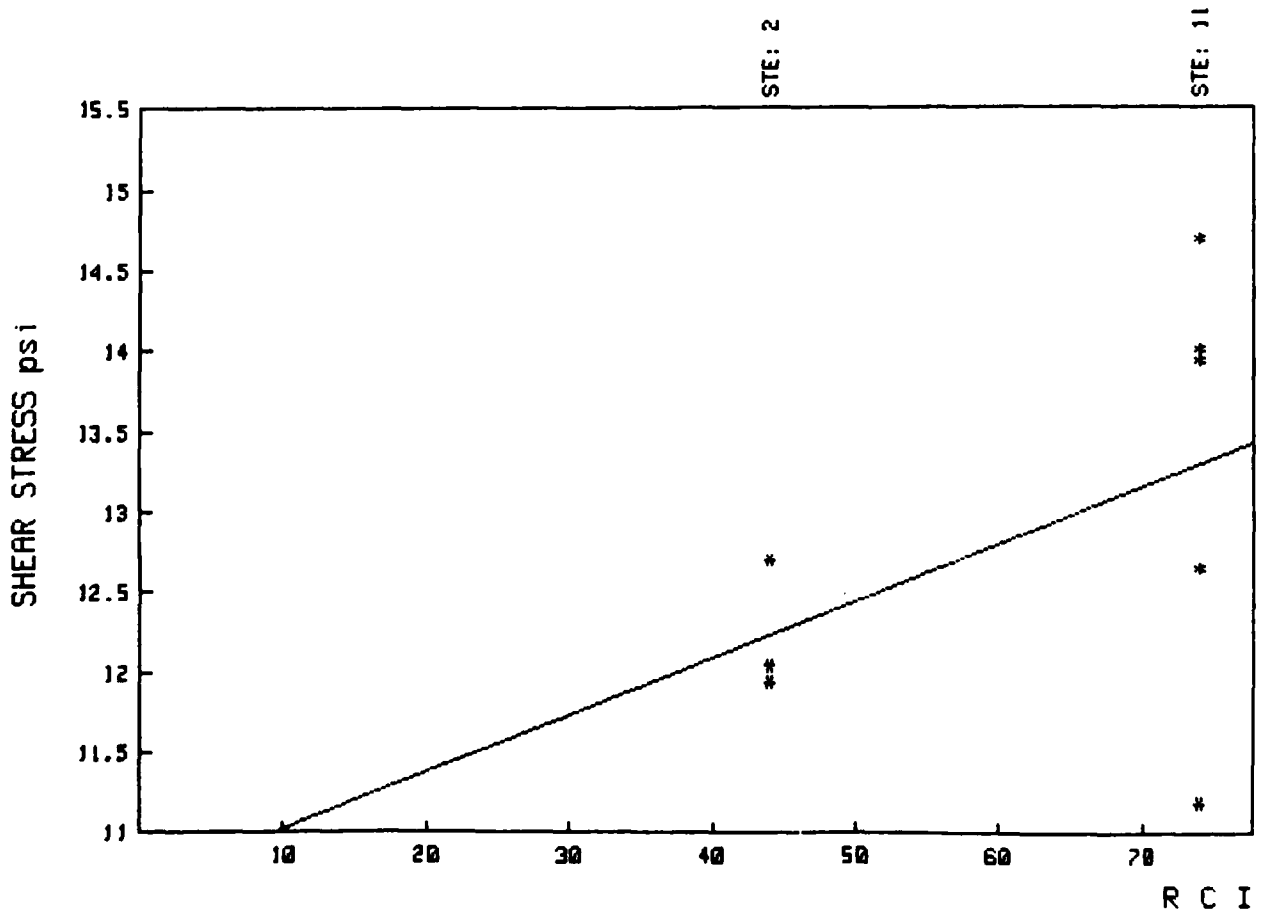


Fig. 11 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 5.76
b = 1.4523E-01

CORRELATION COEFFICIENT R = .8509

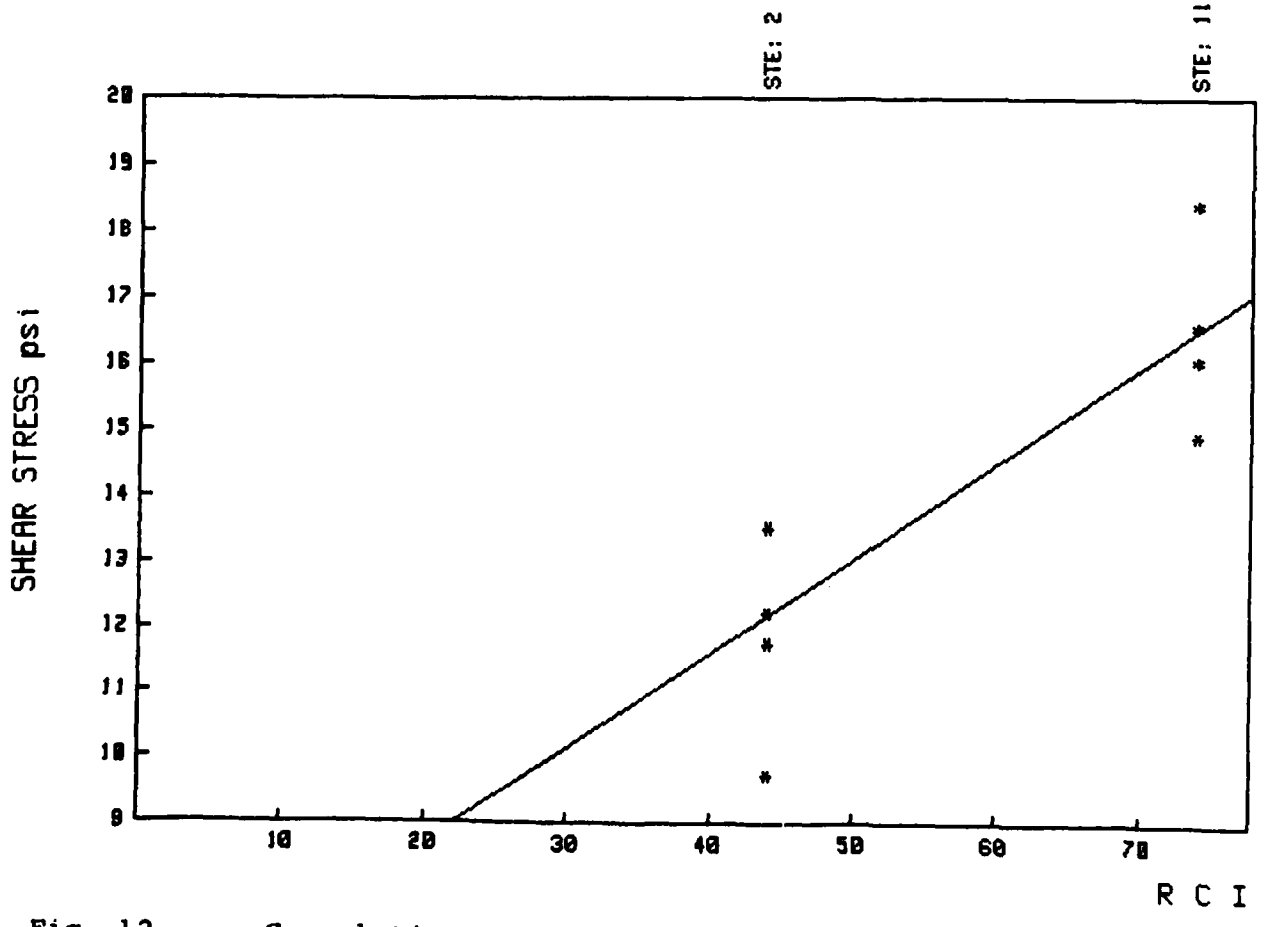


Fig. 12 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 7.18
b = -1.6737E-02

CORRELATION COEFFICIENT R = -.1022

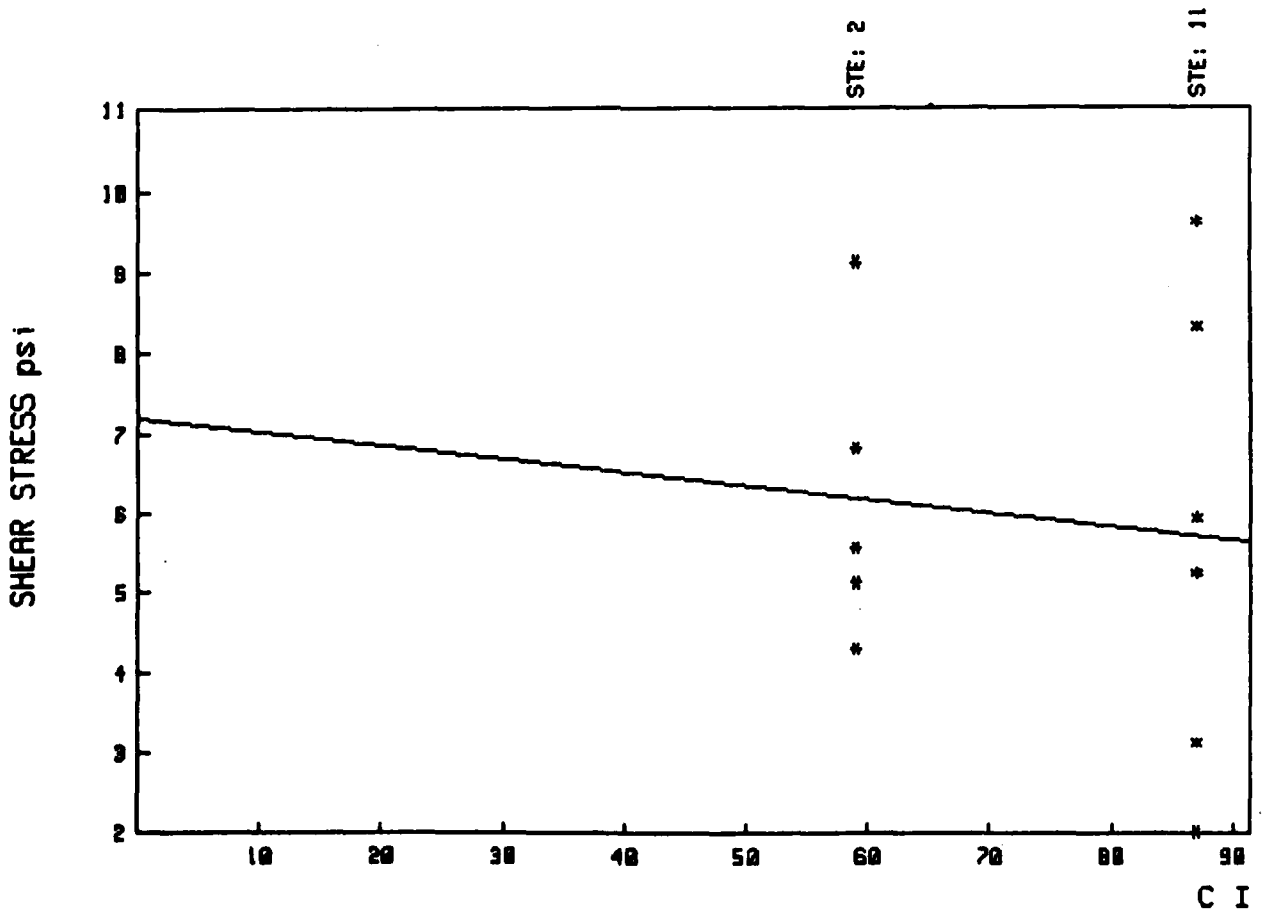


Fig. 13 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 9.96
b = 3.8392E-02

CORRELATION COEFFICIENT R = .4598

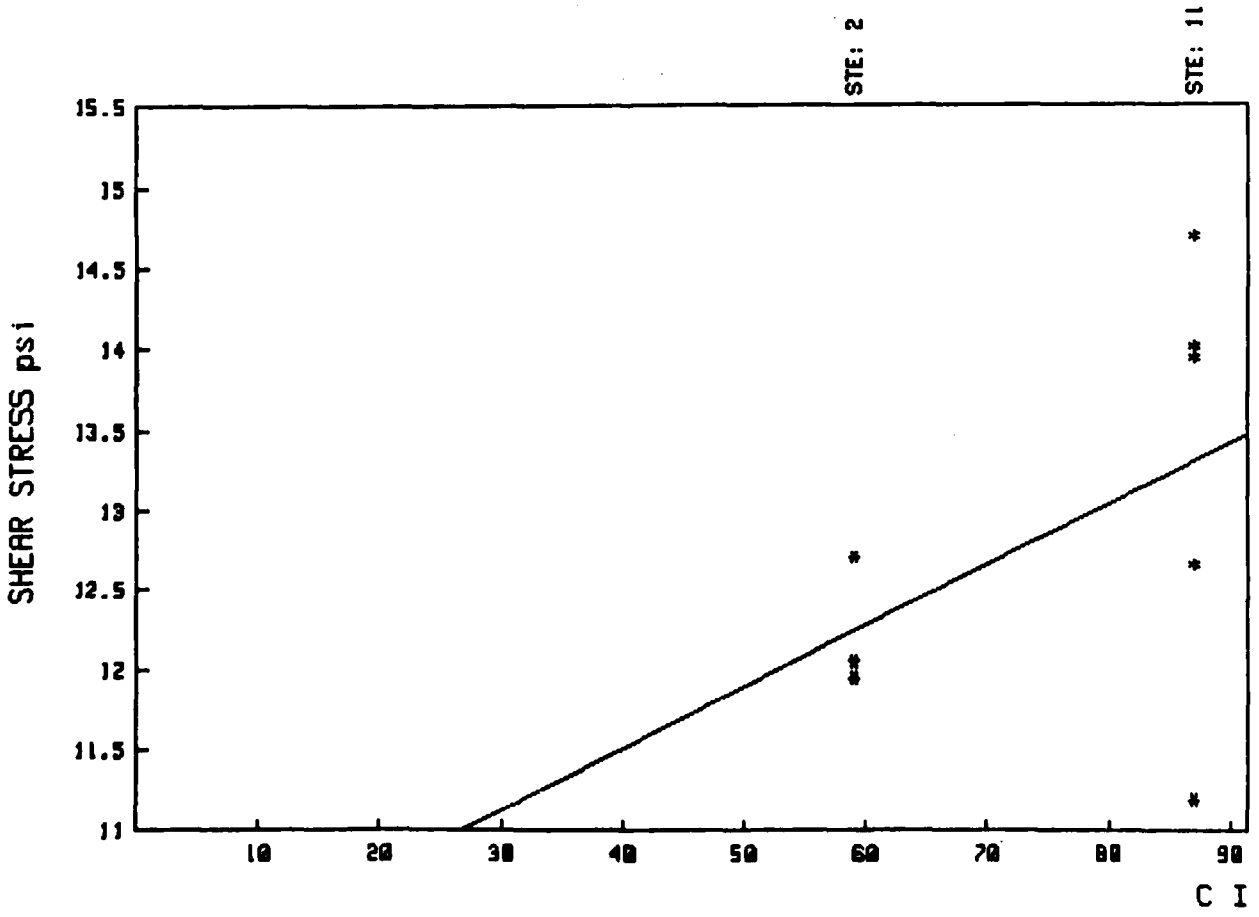


Fig. 14 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - APRIL 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 11

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: CL

LINEAR REGRESSION: Y = a + b * X

a = 2.97
b = 1.5560E-01

CORRELATION COEFFICIENT R = .8509

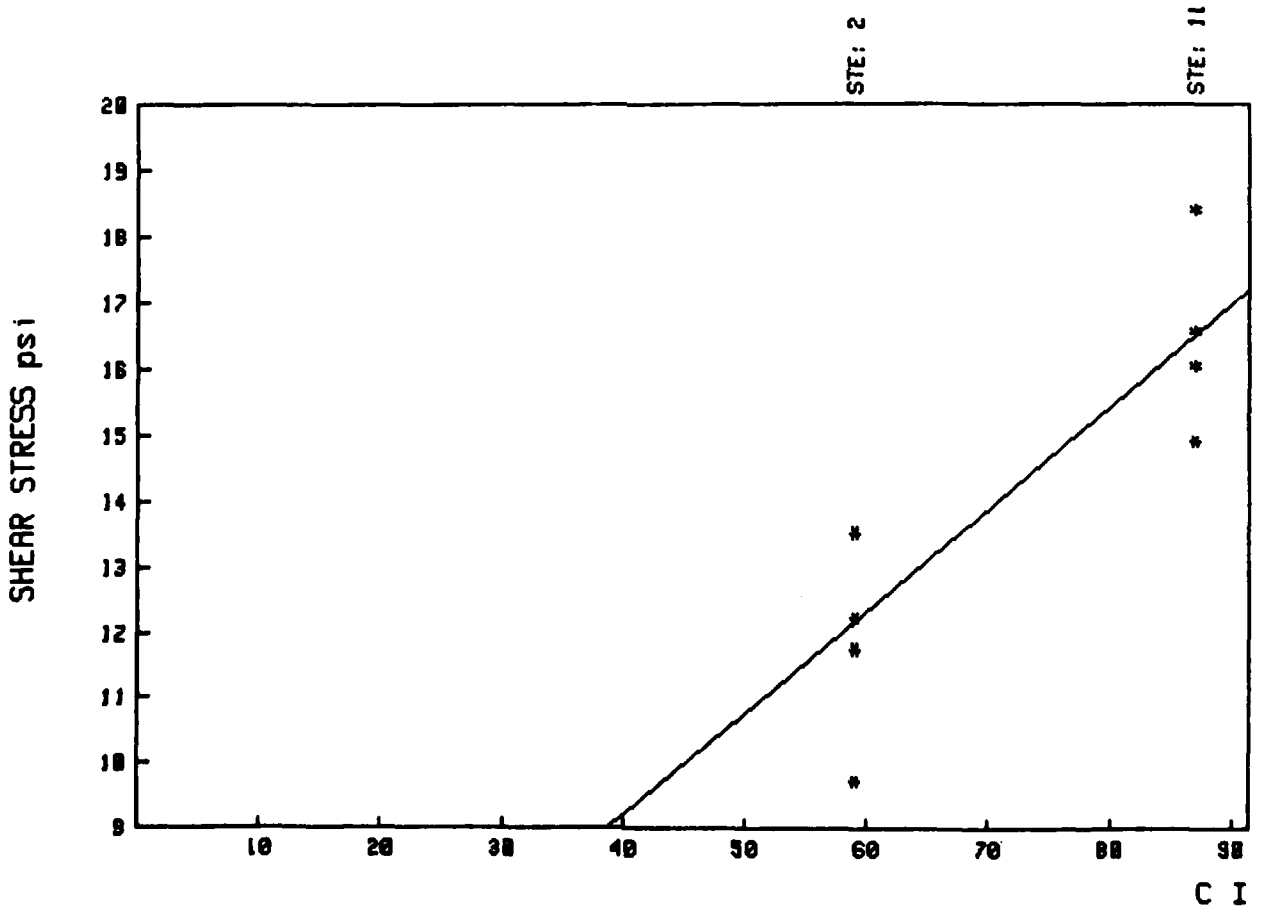


Fig. 15 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: ML

LINEAR REGRESSION: Y = a + b * X

a = 6.38
b = -2.1102E-01

CORRELATION COEFFICIENT R = -.3679

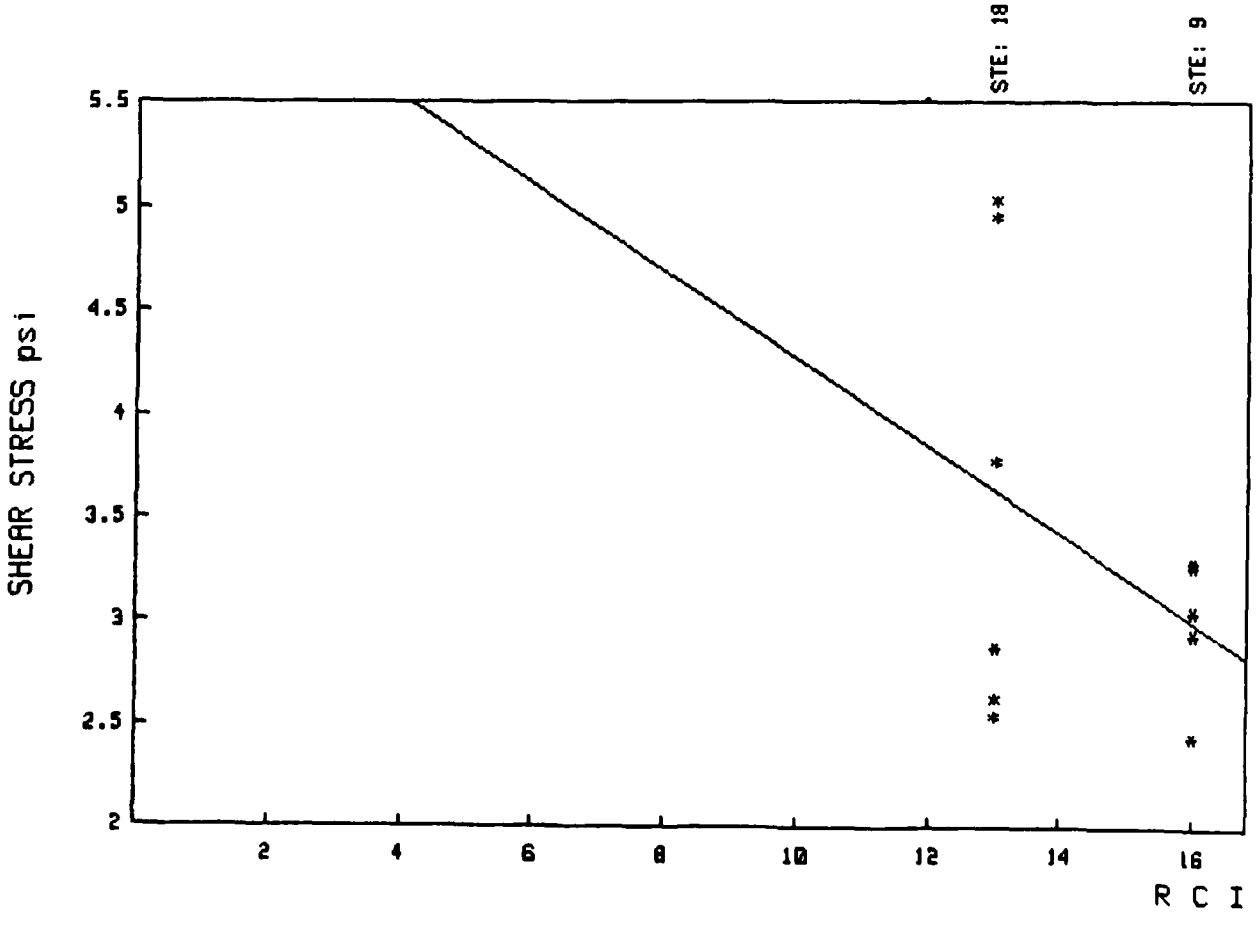


Fig. 16 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: ML

LINEAR REGRESSION: $Y = a + b * X$

$a = 2.91$
$b = 2.6849E-01$

CORRELATION COEFFICIENT $R = .2996$

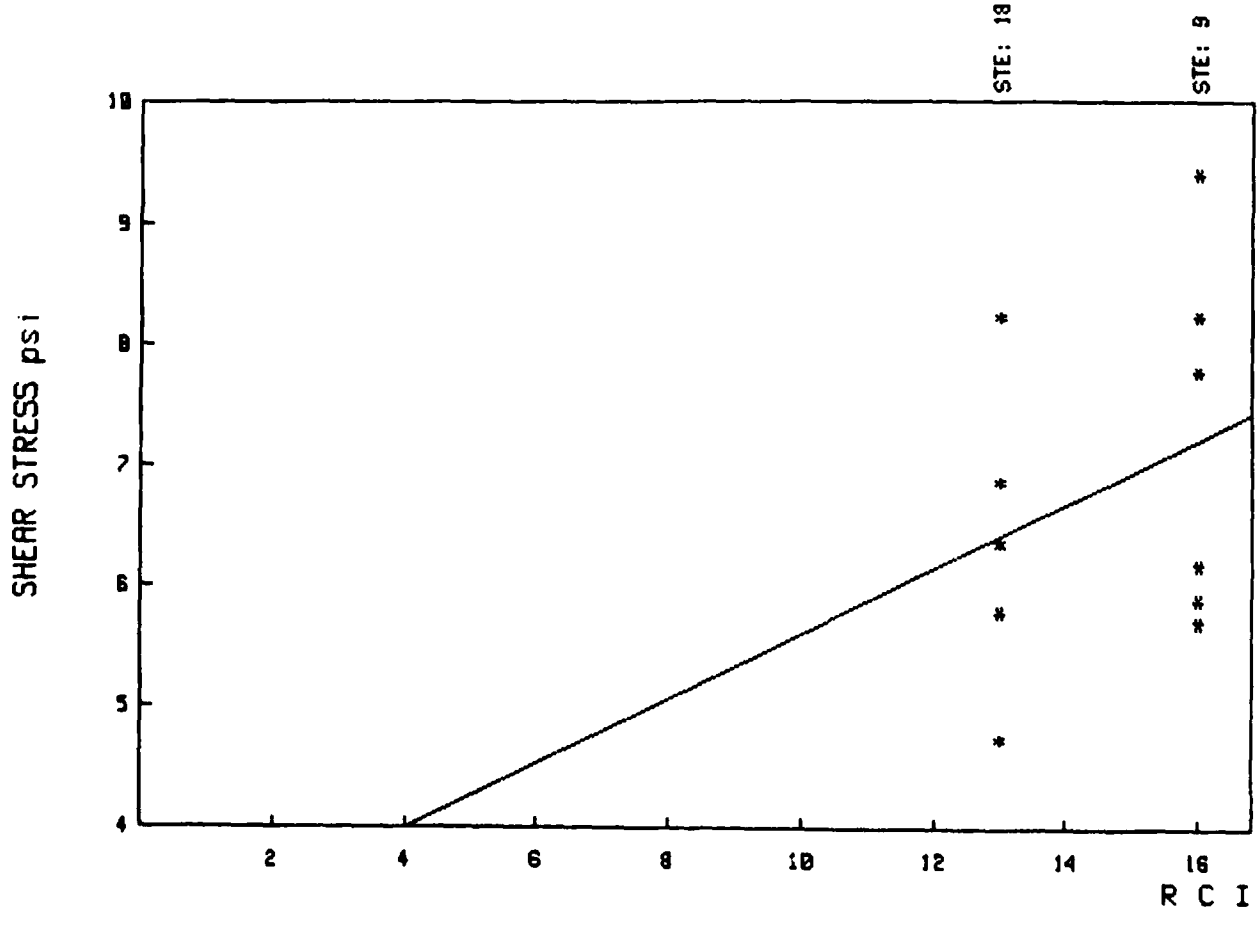


Fig. 17 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: ML

LINEAR REGRESSION: $Y = a + b * X$

$a = 4.42$
$b = 2.8941E-01$

CORRELATION COEFFICIENT $R = .2728$

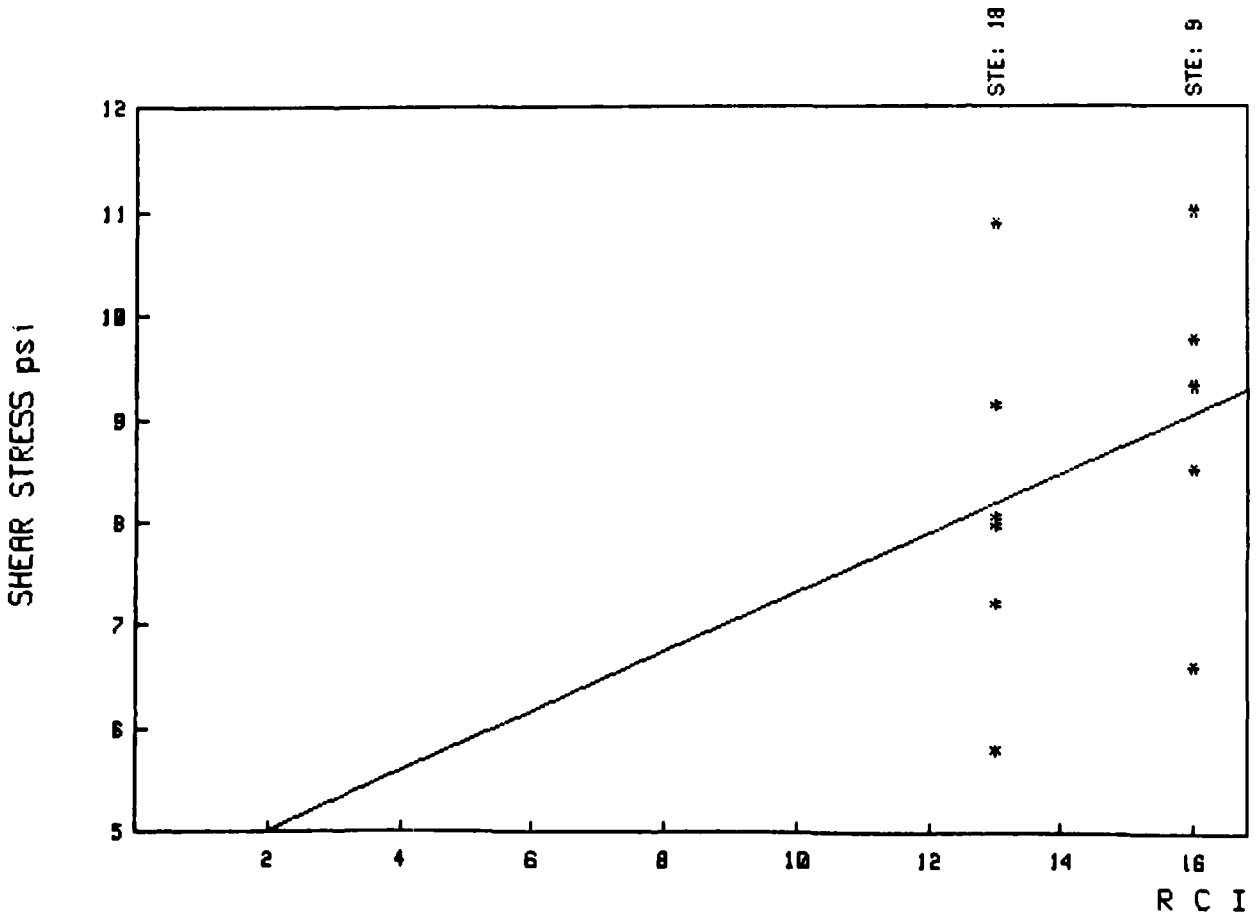


Fig. 18 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: ML

LINEAR REGRESSION: $Y = a + b * X$

$a = -4.17$
$b = 2.1102E-01$

CORRELATION COEFFICIENT $R = .3679$

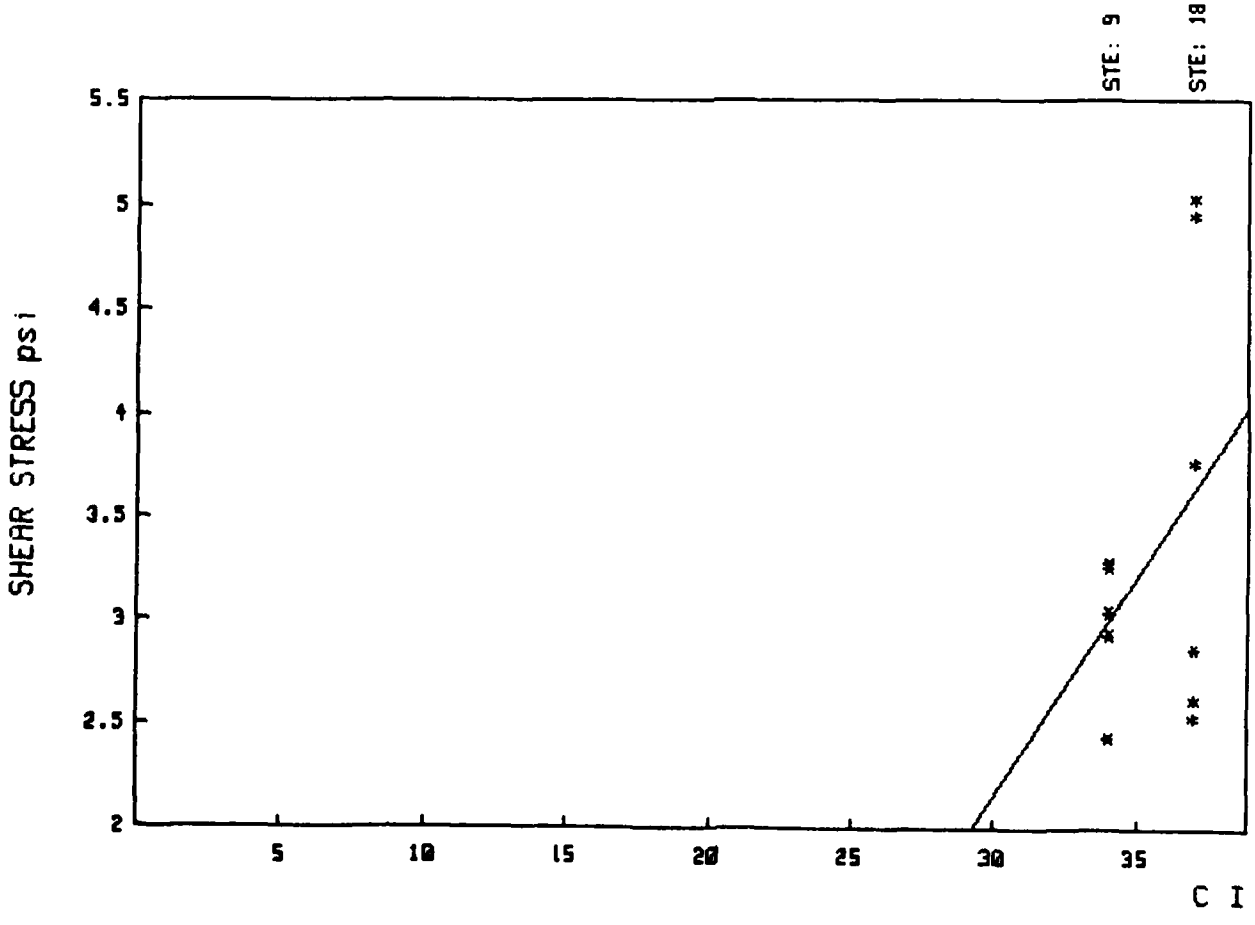


Fig. 19 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: ML

LINEAR REGRESSION: Y = a + b * X

a = 16.33
b = -2.6849E-01

CORRELATION COEFFICIENT R = -.2996

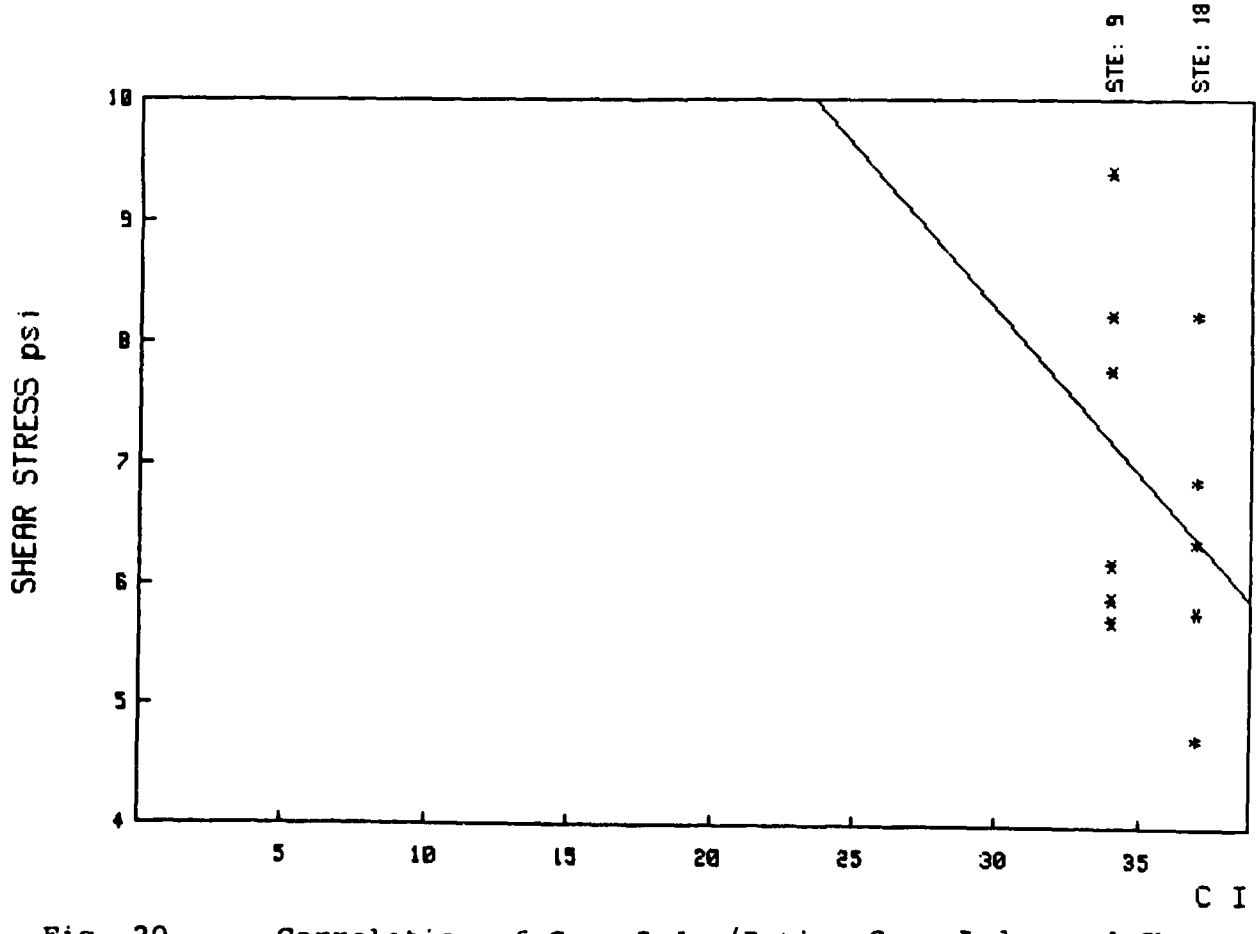


Fig. 20 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

9 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: ML

LINEAR REGRESSION: $Y = a + b * X$

$a = 18.89$
$b = -2.8941E-01$

CORRELATION COEFFICIENT $R = -.2728$

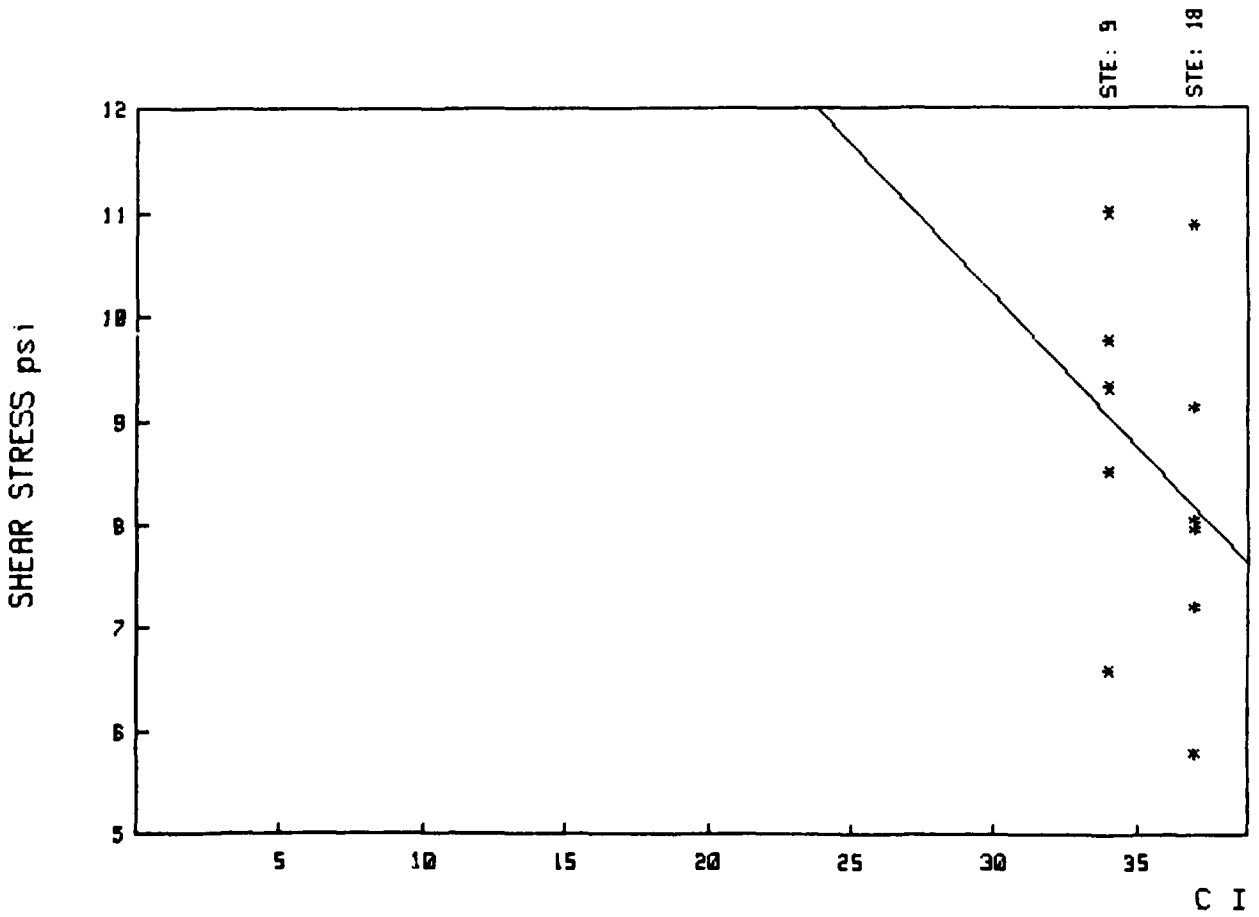


Fig. 21 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: SM

LINEAR REGRESSION: Y = a + b * X

a = 1.68
b = 7.6940E-02

CORRELATION COEFFICIENT R = .6101

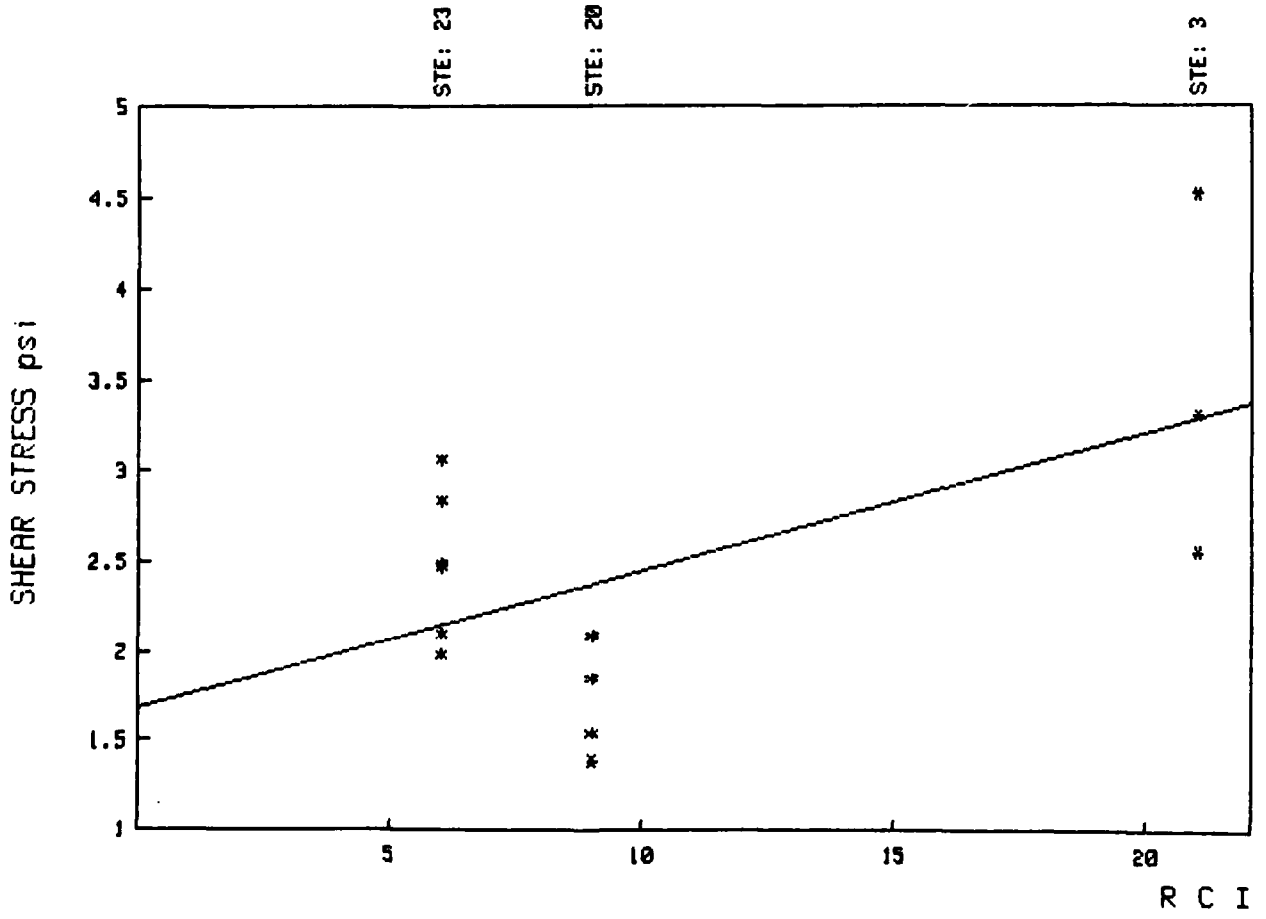


Fig. 22 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: SM

LINEAR REGRESSION: $Y = a + b * X$

$a = 3.18$
$b = 2.4880E-01$

CORRELATION COEFFICIENT $R = .6411$

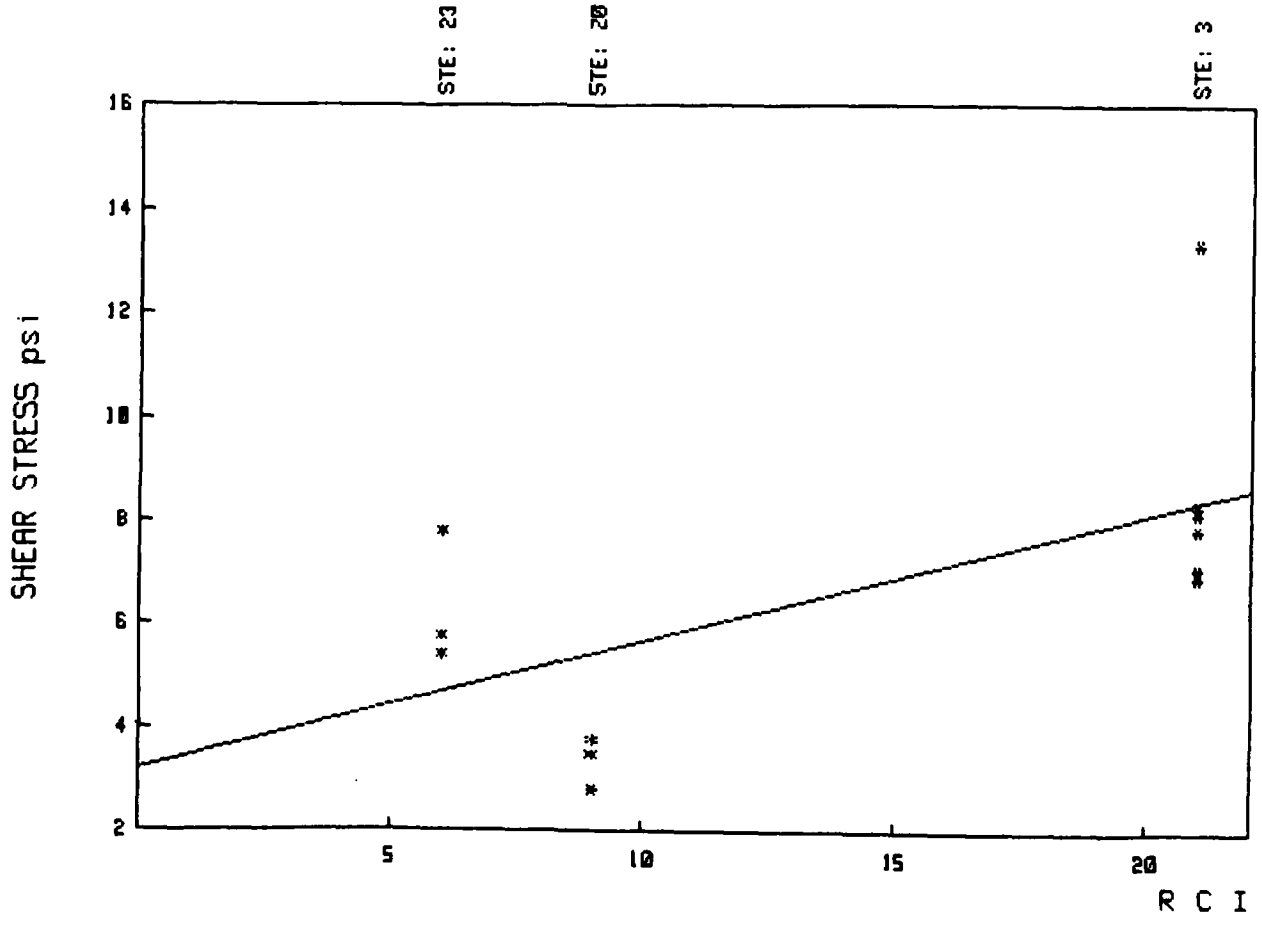


Fig. 23 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: SM

LINEAR REGRESSION: $Y = a + b * X$

$a = 5.86$
$b = 1.1954E-01$

CORRELATION COEFFICIENT $R = .2688$

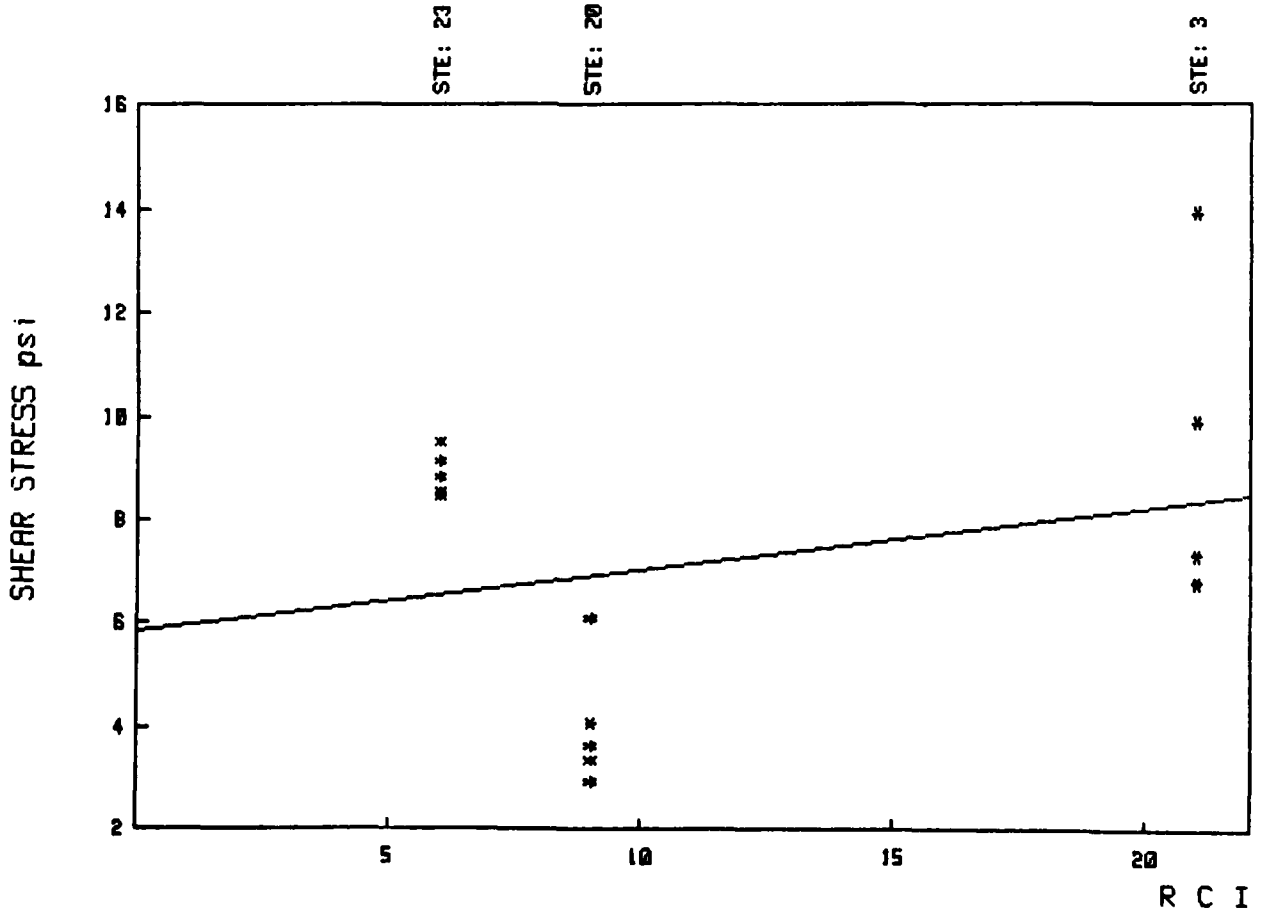


Fig. 24 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: SM

LINEAR REGRESSION: Y = a + b * X

a = 1.55
b = 3.6452E-02

CORRELATION COEFFICIENT R = .6905

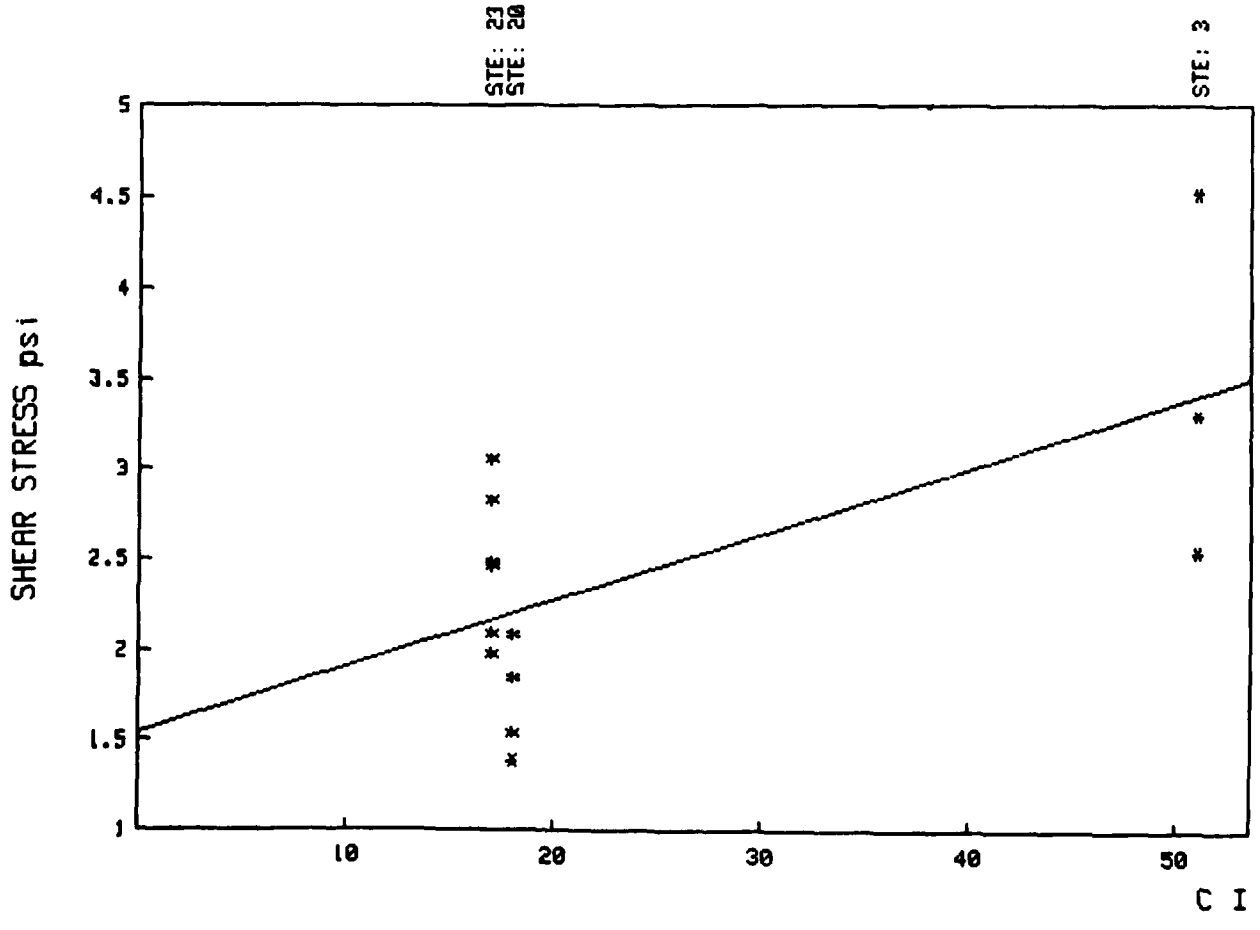


Fig. 25 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: SM

LINEAR REGRESSION: $Y = a + b * X$

$a = 2.93$
$b = 1.1046E-01$

CORRELATION COEFFICIENT $R = .6985$

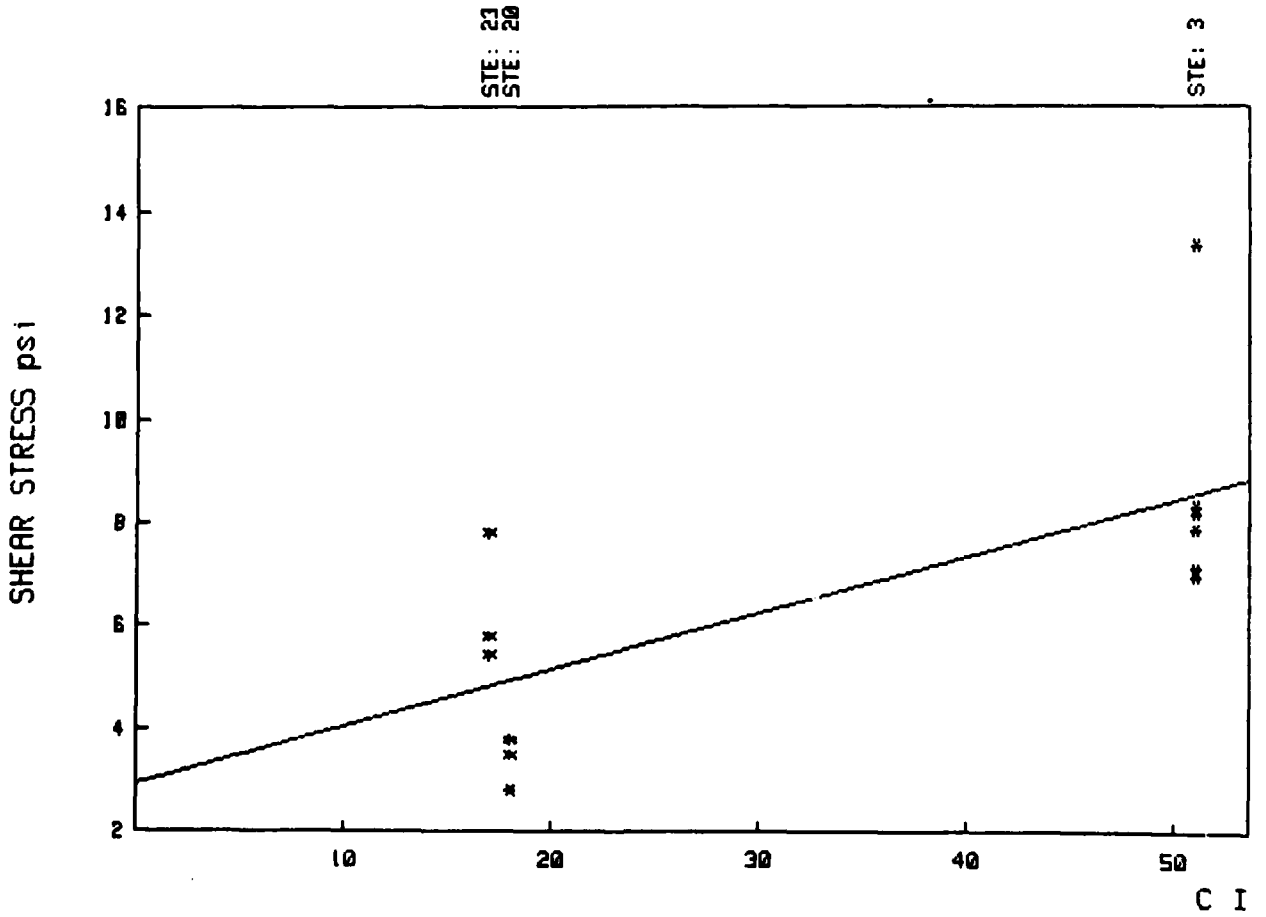


Fig. 26 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: SM

LINEAR REGRESSION: $Y = a + b * X$

$a = 5.26$
$b = 7.0928E-02$

CORRELATION COEFFICIENT $R = .3887$

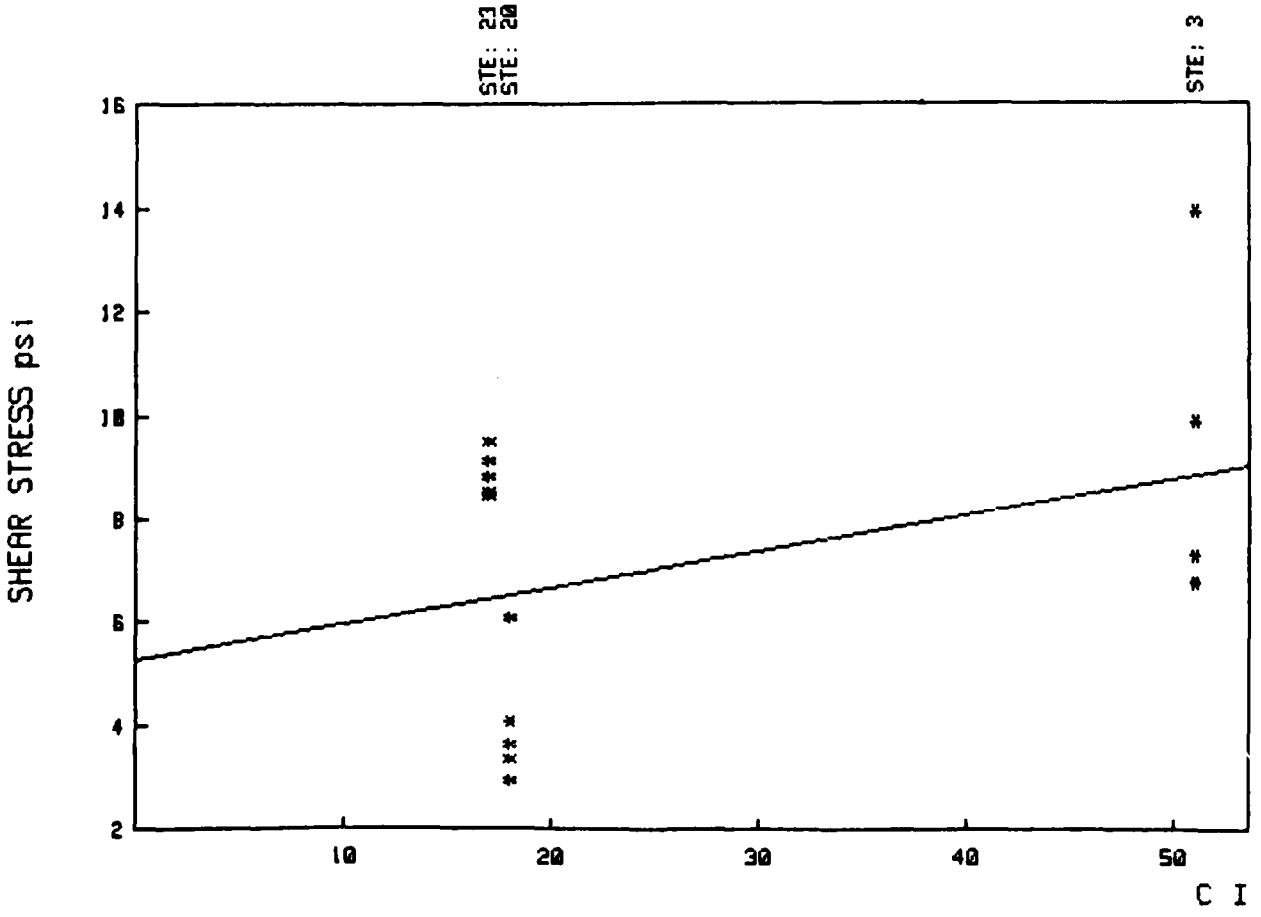


Fig. 27 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = .76
b = 1.1157E-01

CORRELATION COEFFICIENT R = .3856

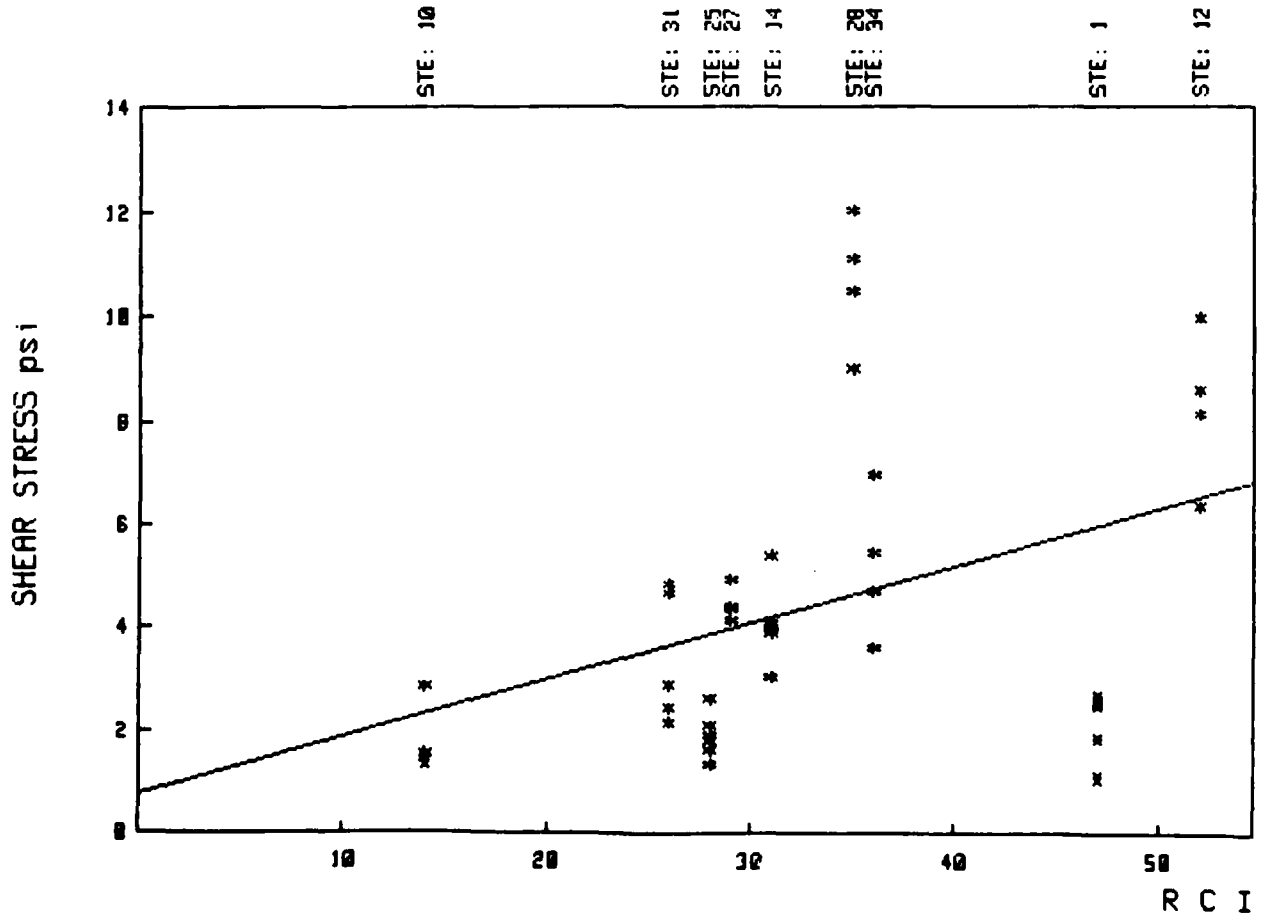


Fig. 28 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = .16
b = 2.8023E-01

CORRELATION COEFFICIENT R = .6834

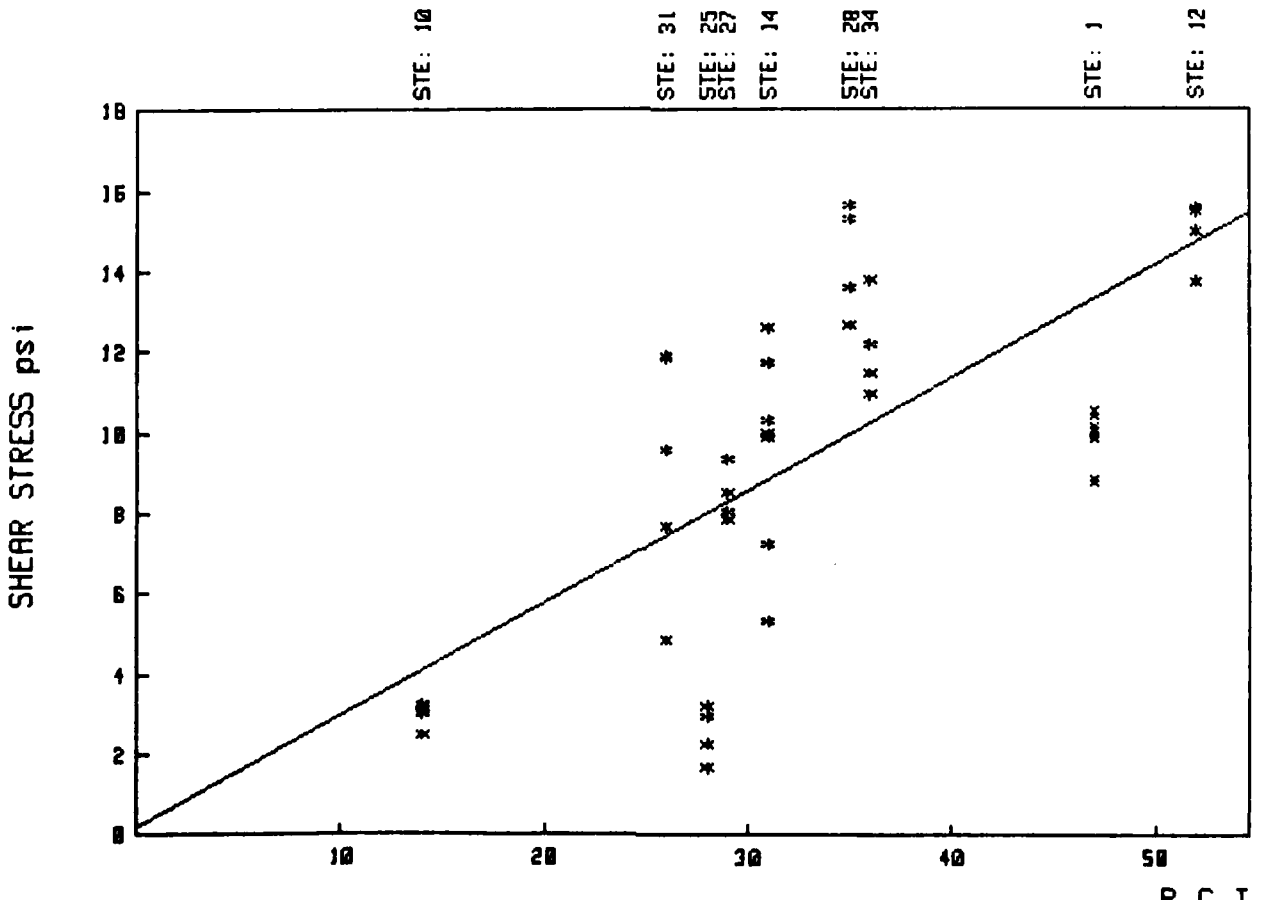


Fig. 29 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = .37
b = 3.3527E-01

CORRELATION COEFFICIENT R = .6847

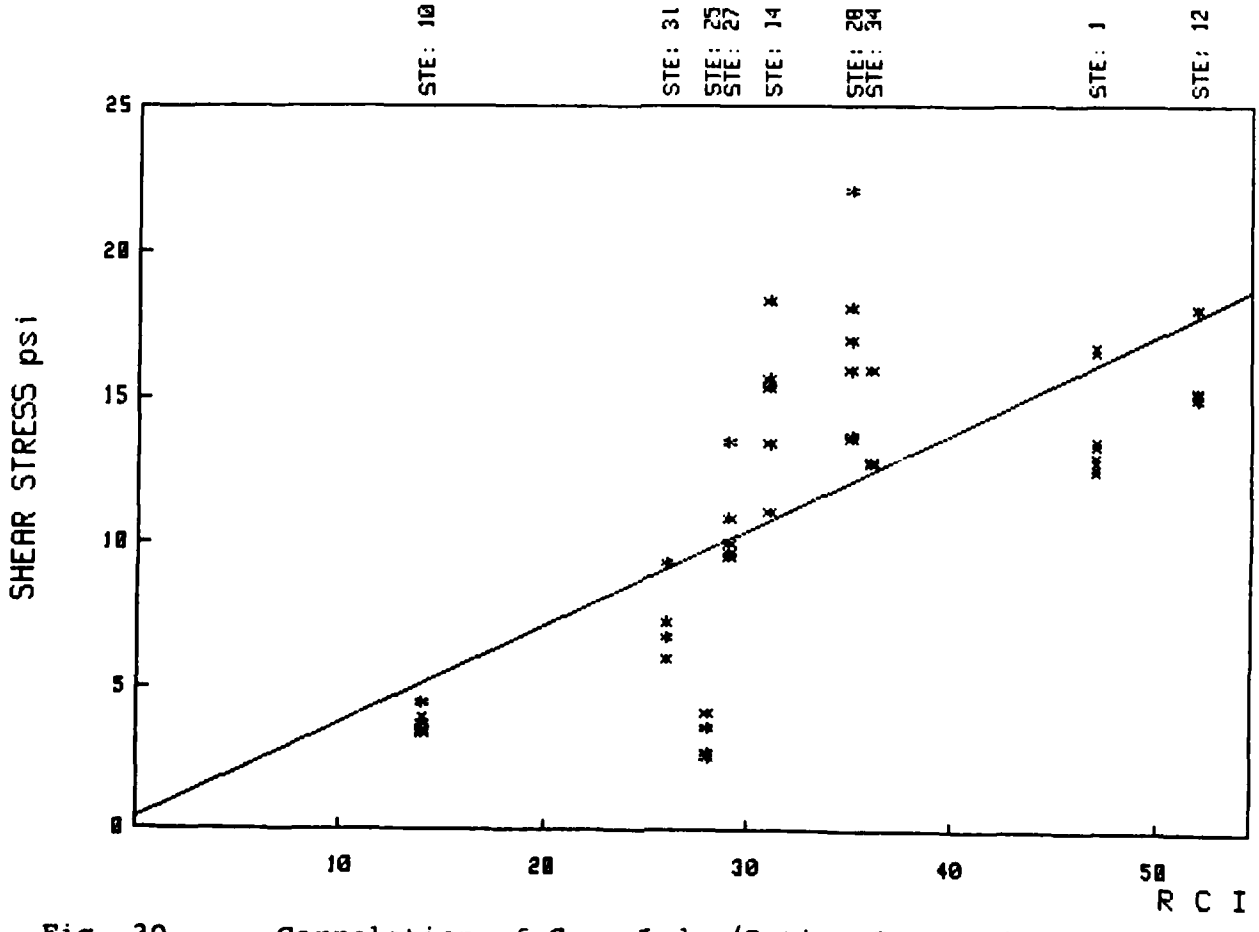


Fig. 30 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = -.55
b = 8.6656E-02

CORRELATION COEFFICIENT R = .4577

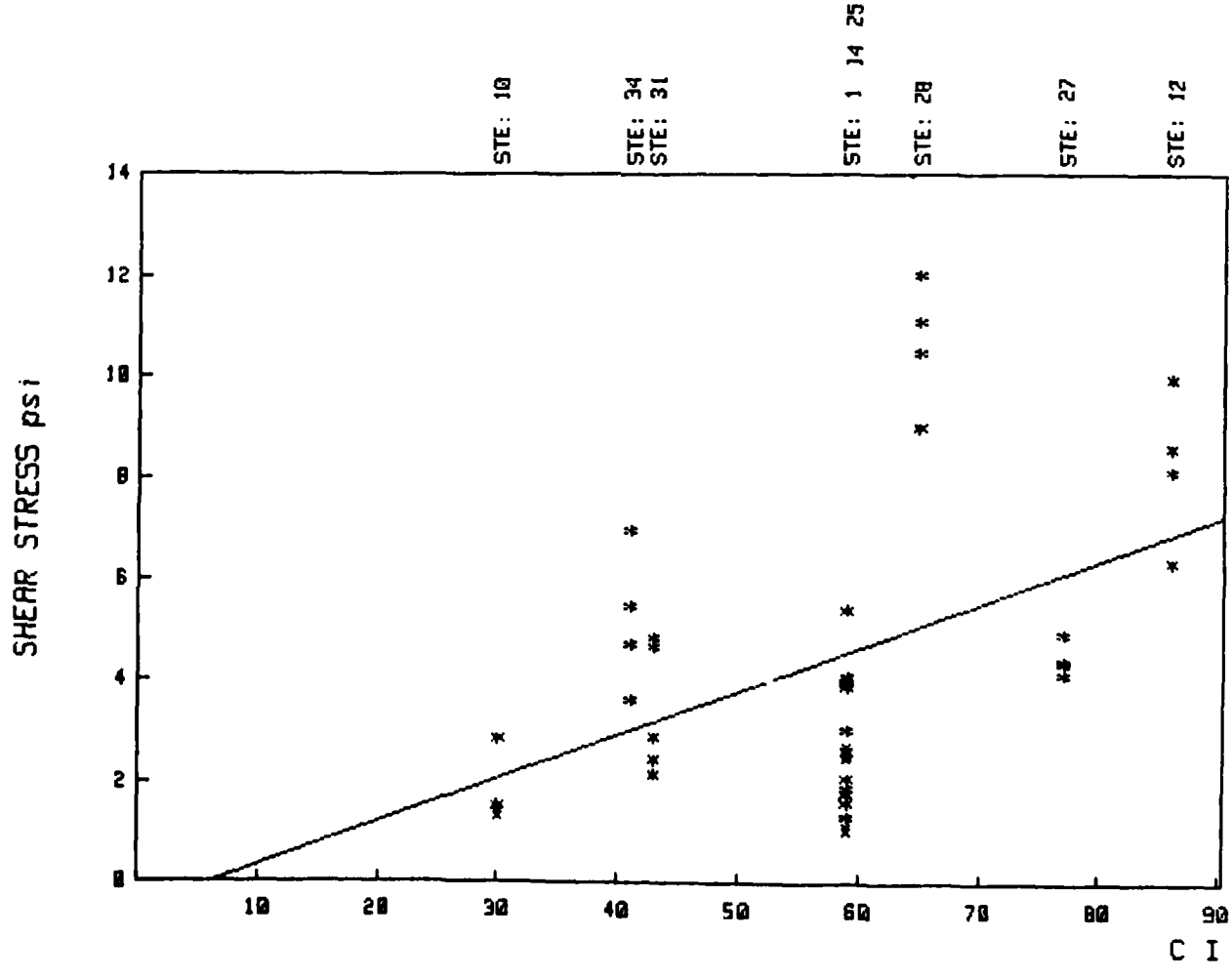


Fig. 31 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = 2.50
b = 1.1920E-01

CORRELATION COEFFICIENT R = .4551

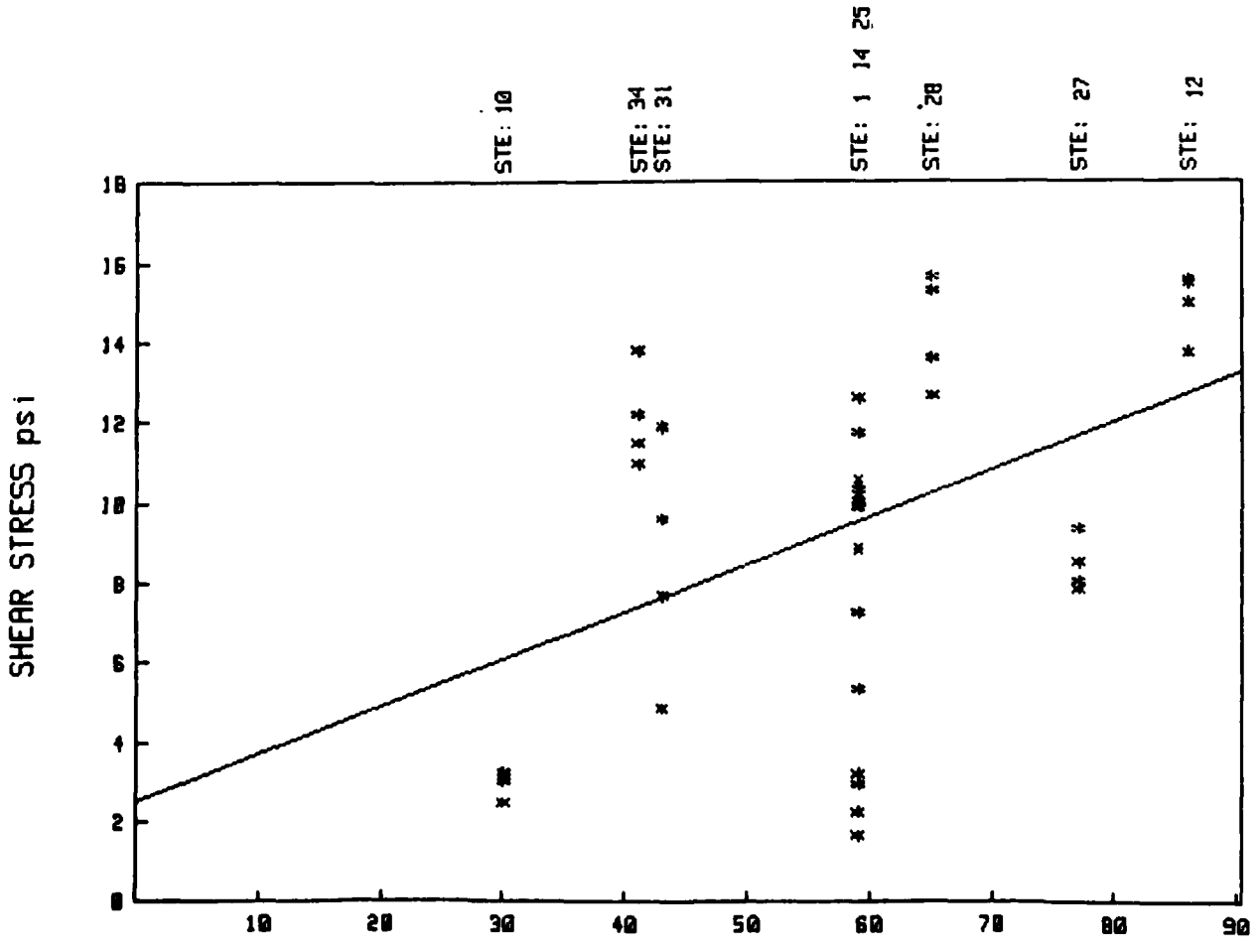


Fig. 32 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 14 25 27 28 31 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,SOIL TYPE: OH

LINEAR REGRESSION: Y = a + b * X

a = 1.51
b = 1.6905E-01

CORRELATION COEFFICIENT R = .5278

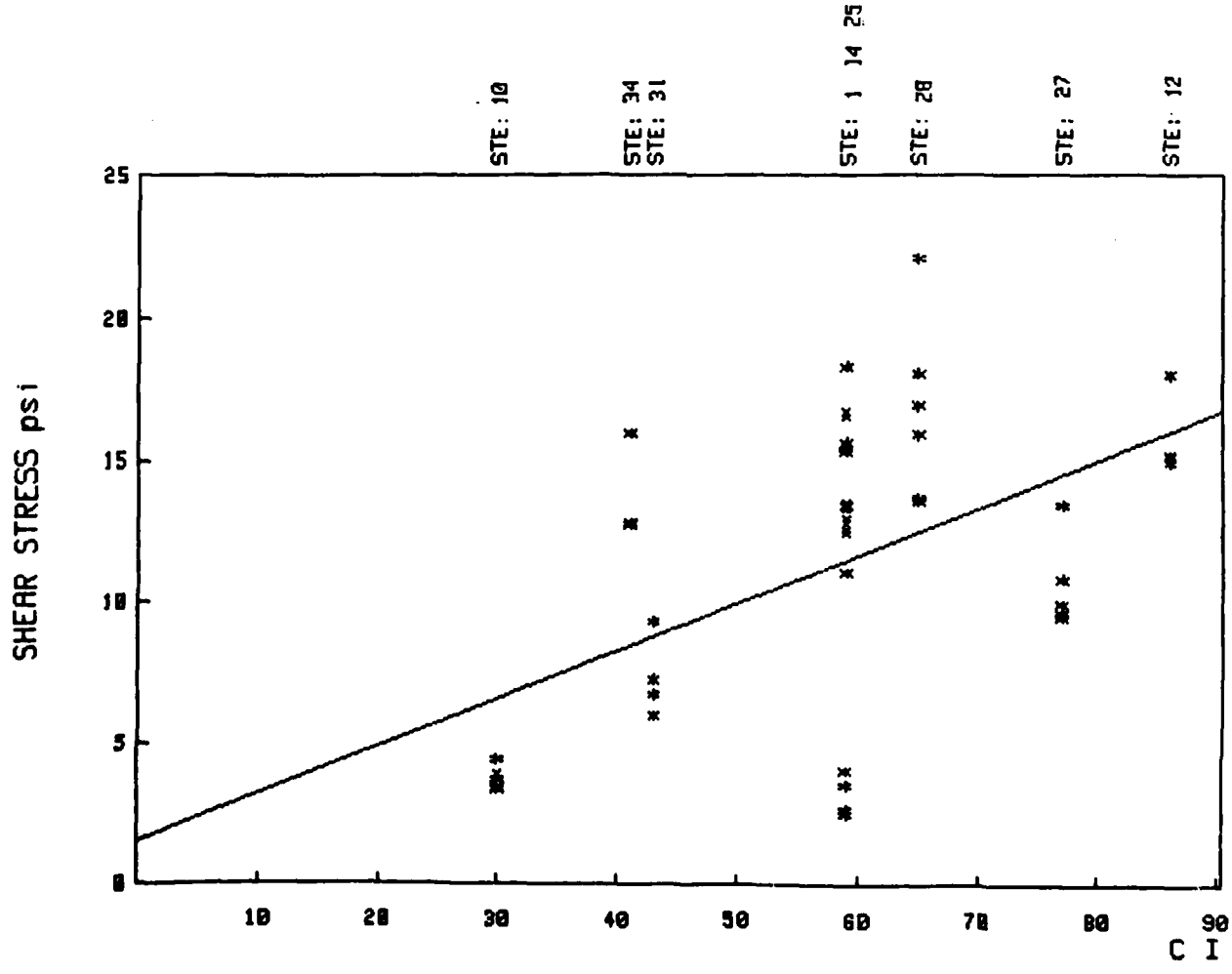


Fig. 33 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Soil Type = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:20-50%

LINEAR REGRESSION: Y = a + b * X

a = 2.46
b = 5.2217E-02

CORRELATION COEFFICIENT R = .5015

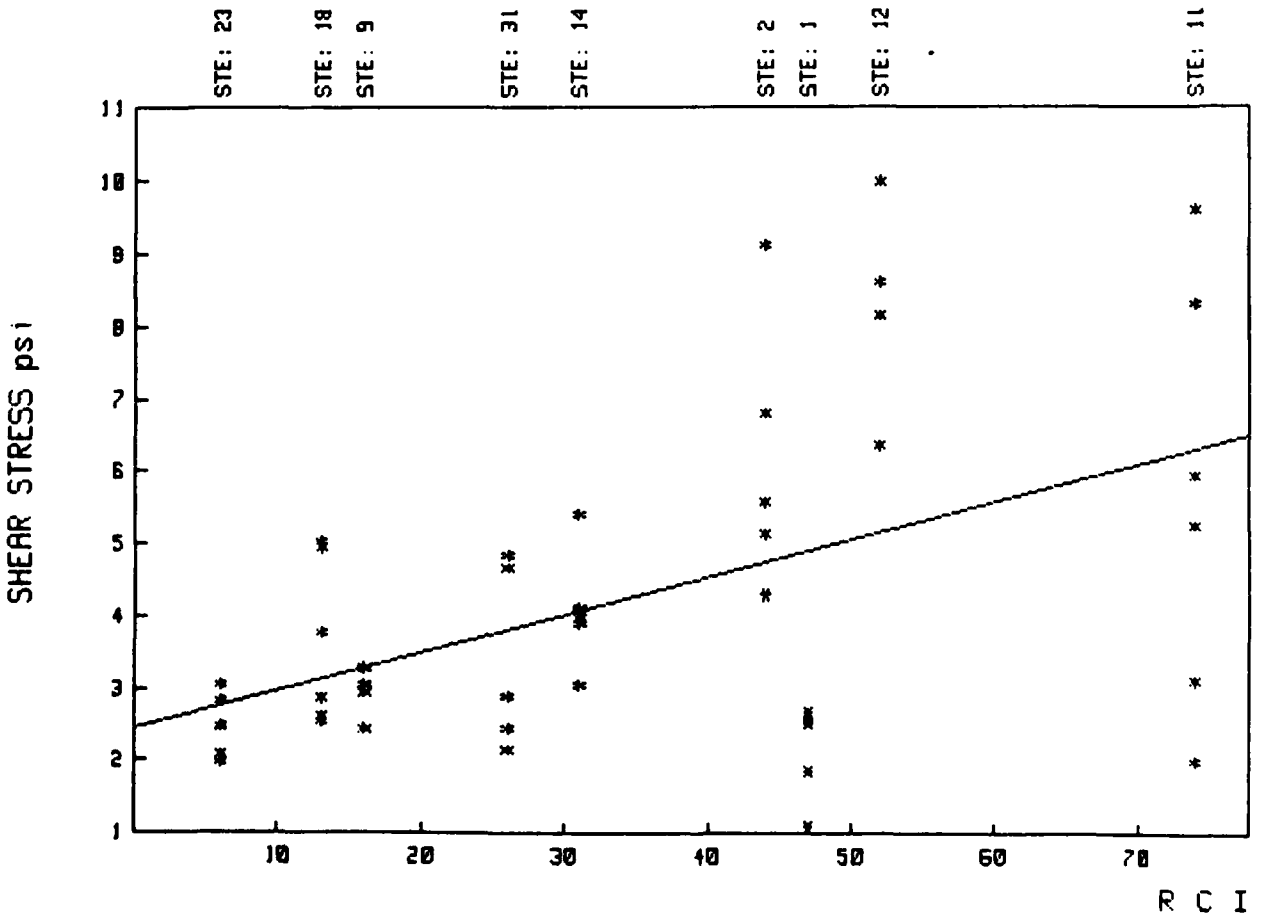


Fig.34 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT:20-50%

LINEAR REGRESSION: Y = a + b * X

a = 5.59
b = 1.2277E-01

CORRELATION COEFFICIENT R = .7764

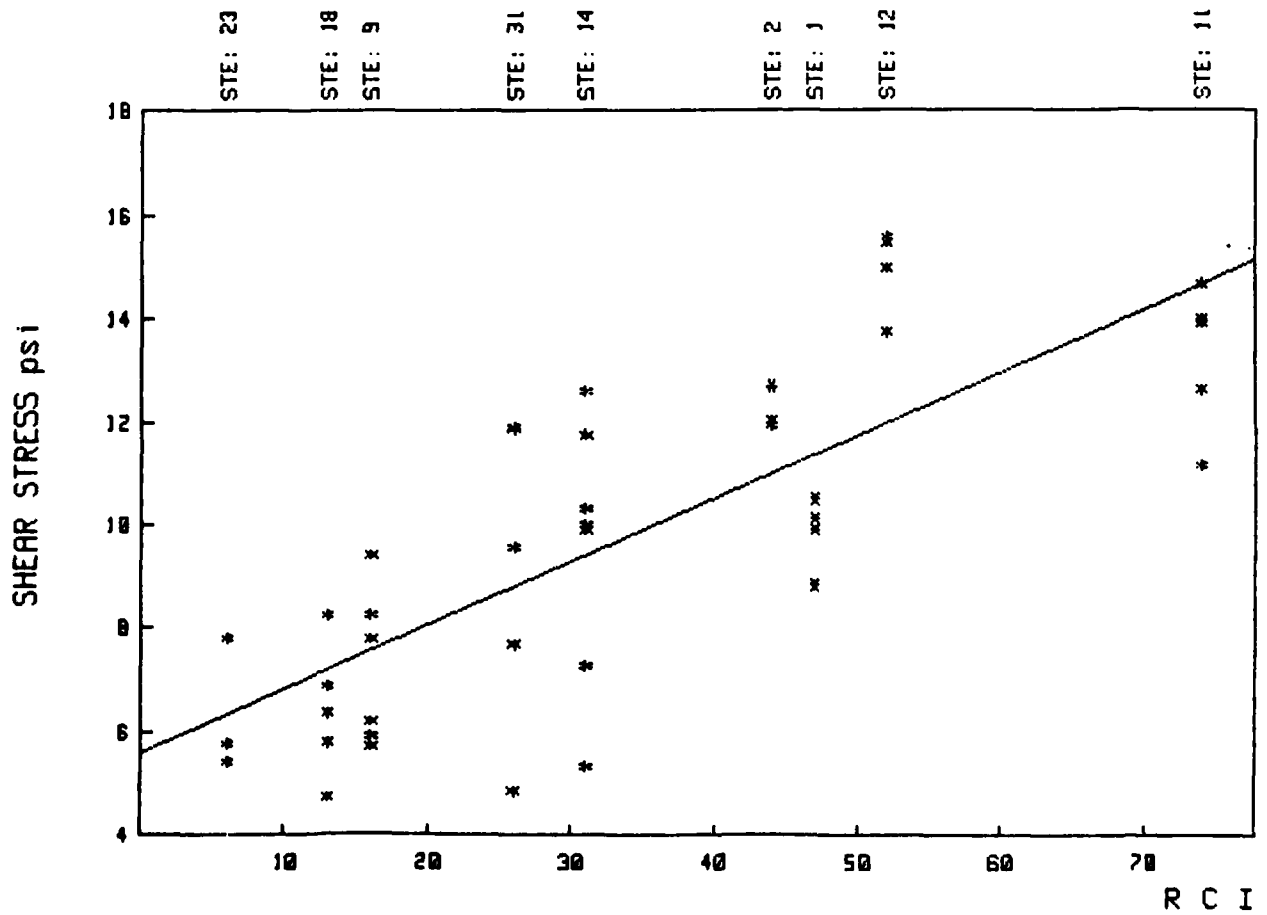


Fig.35 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:20-50%

LINEAR REGRESSION: $Y = a + b * X$

$a = 7.28$
$b = 1.3656E-01$

CORRELATION COEFFICIENT $R = .7588$

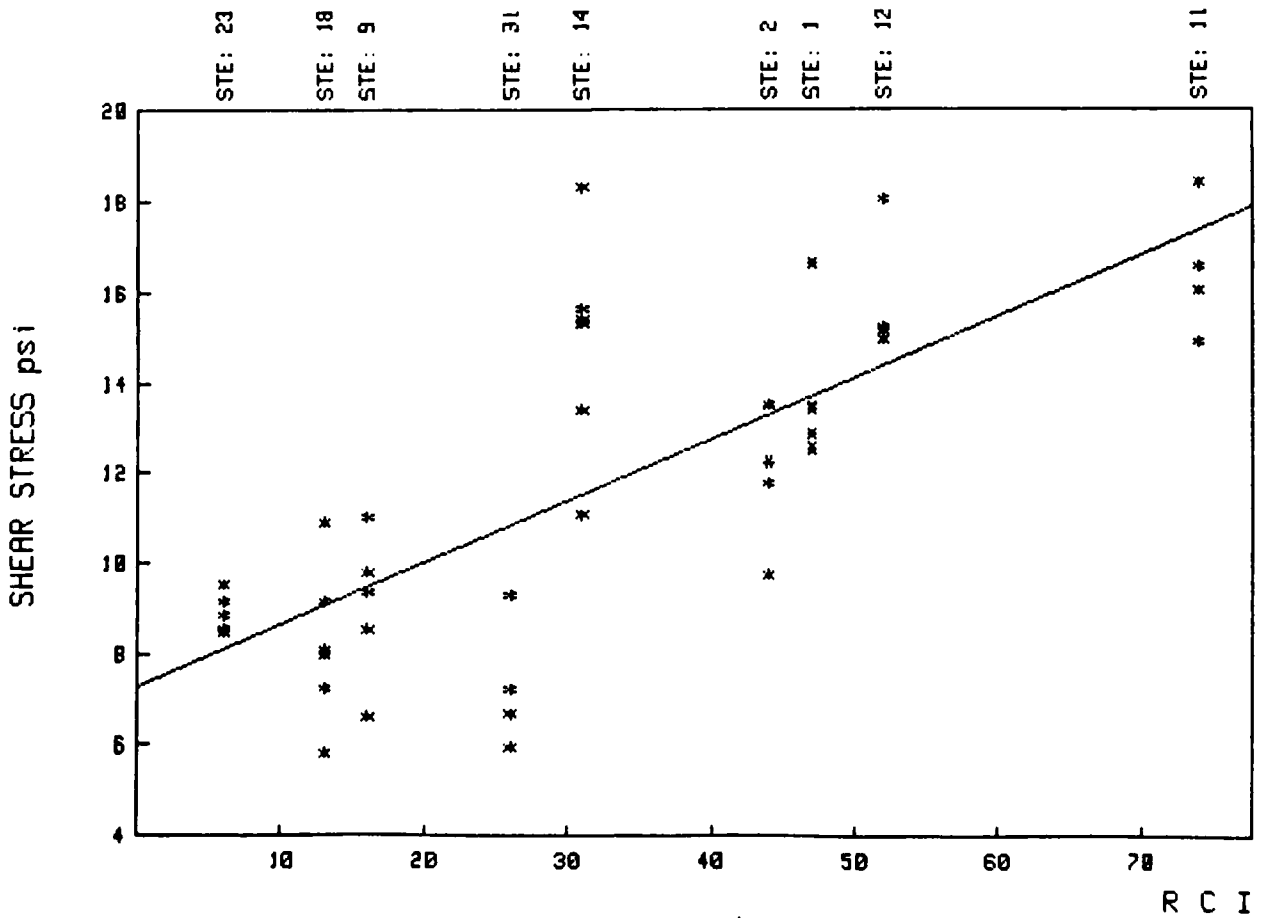


Fig.36 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: Y = a + b * X

a = -2.30
b = 2.8379E-01

CORRELATION COEFFICIENT R = .7459

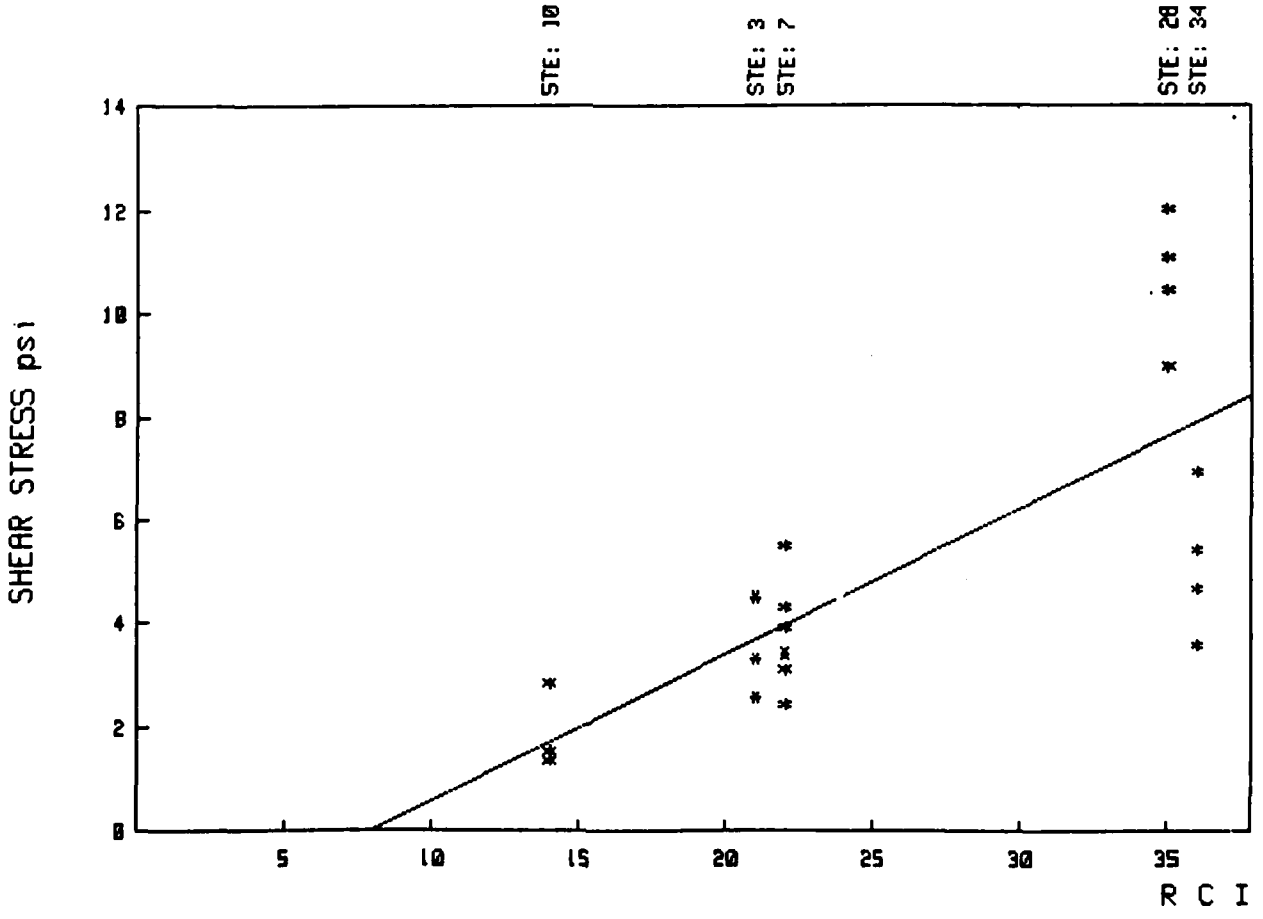


Fig.37 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: Y = a + b * X

a = -1.41
b = 4.2095E-01

CORRELATION COEFFICIENT R = .8792

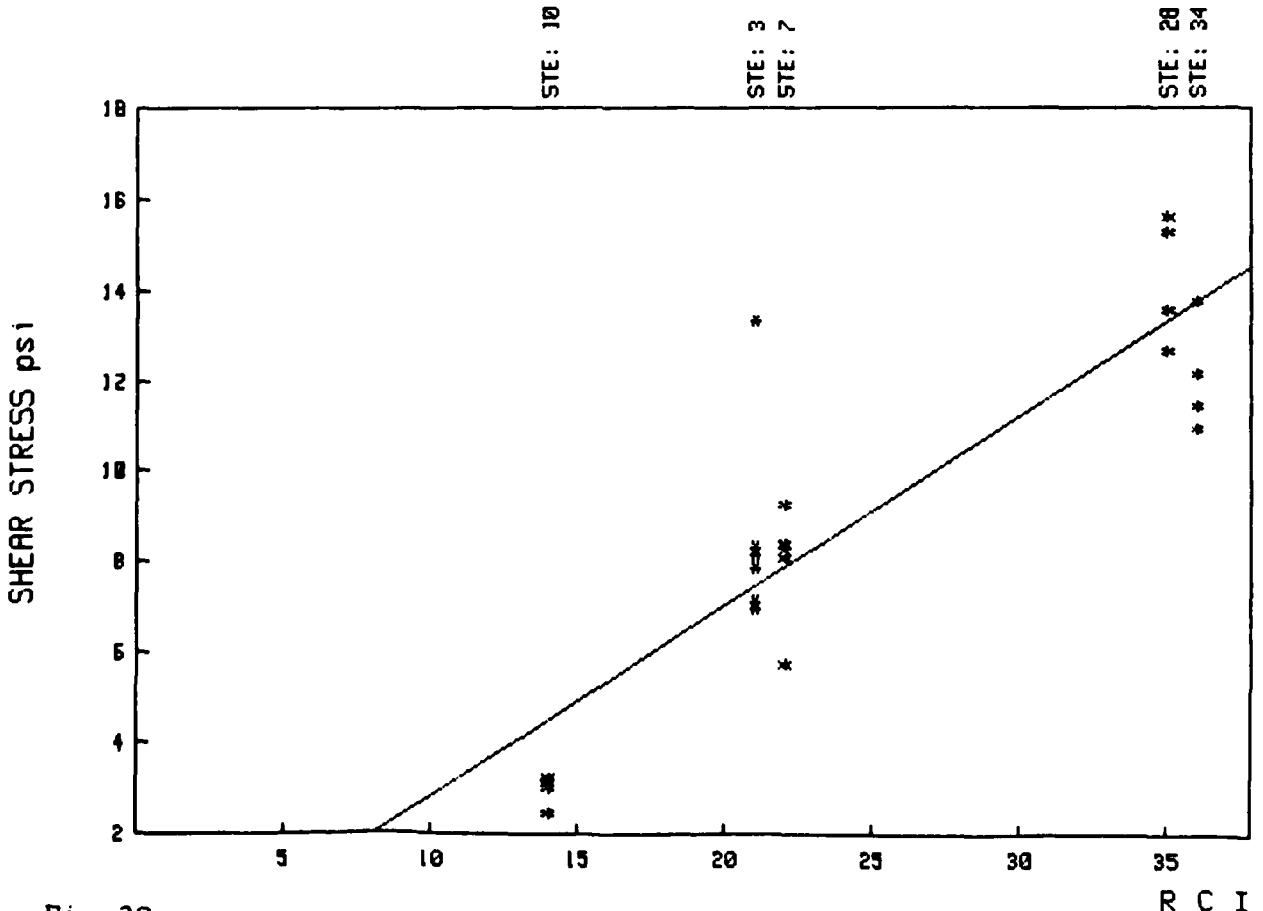


Fig.38 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: $Y = a + b * X$

$a = -2.60$
$b = 5.2719E-01$

CORRELATION COEFFICIENT $R = .8769$

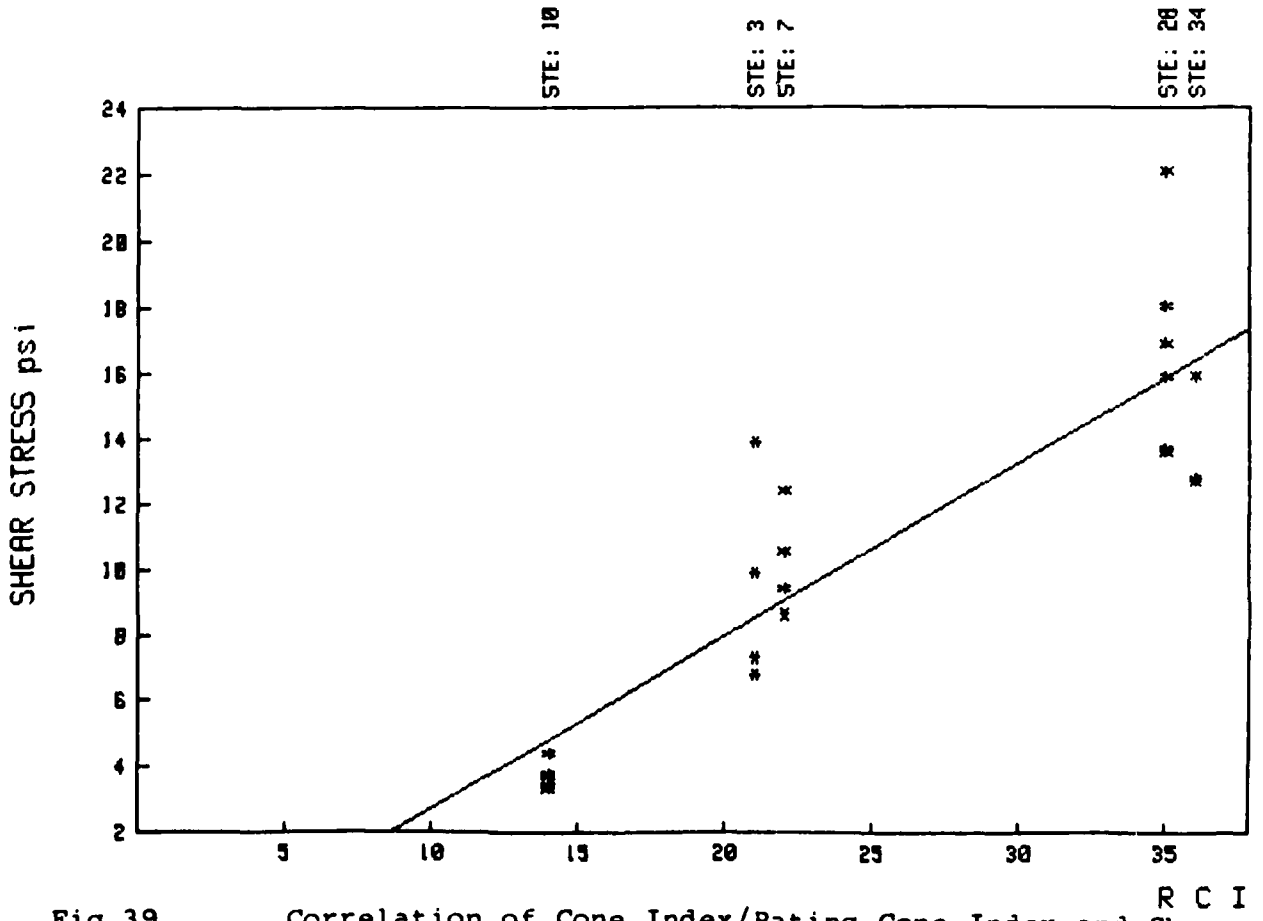


Fig.39 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: $Y = a + b * X$

$a = -.59$
$b = 2.5564E-01$

CORRELATION COEFFICIENT $R = .9133$

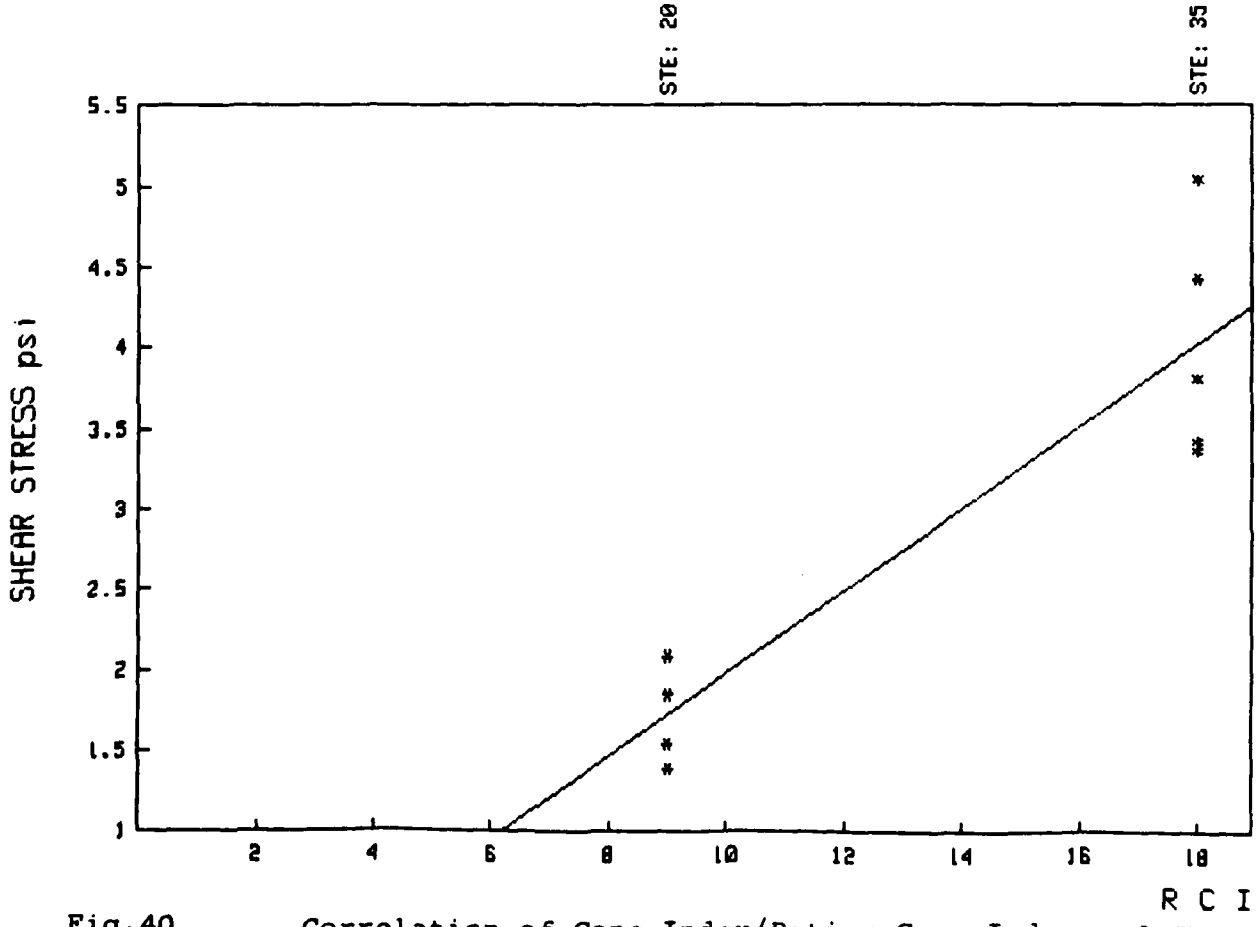


Fig.40 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: $Y = a + b * X$

$a = .60$
$b = 3.0547E-01$

CORRELATION COEFFICIENT $R = .7228$

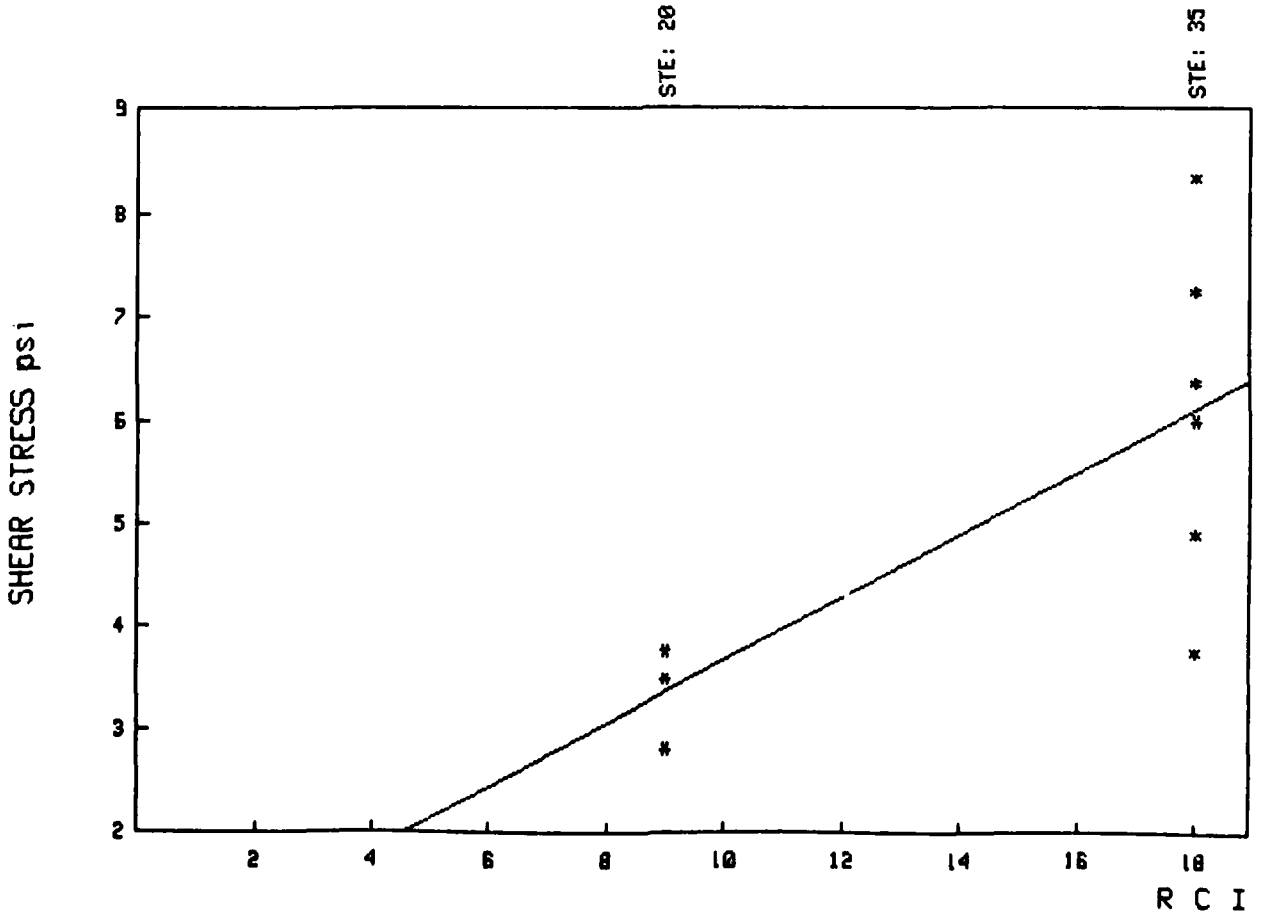


Fig.41 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: Y = a + b * X

a = 1.56
b = 2.7301E-01

CORRELATION COEFFICIENT R = .5906

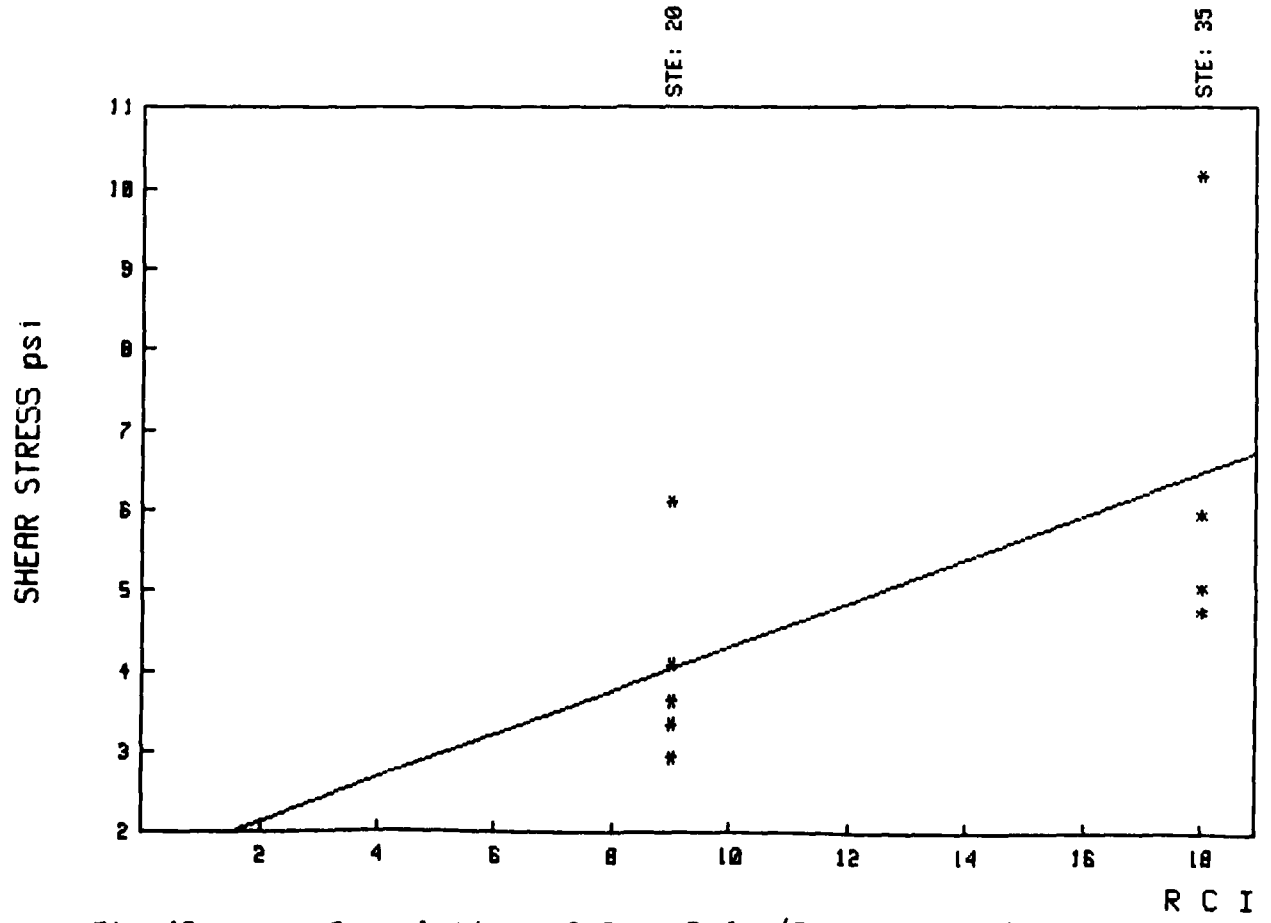


Fig.42 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: $Y = a + b * X$

$a = .89$
$b = 6.0229E-02$

CORRELATION COEFFICIENT $R = .7562$

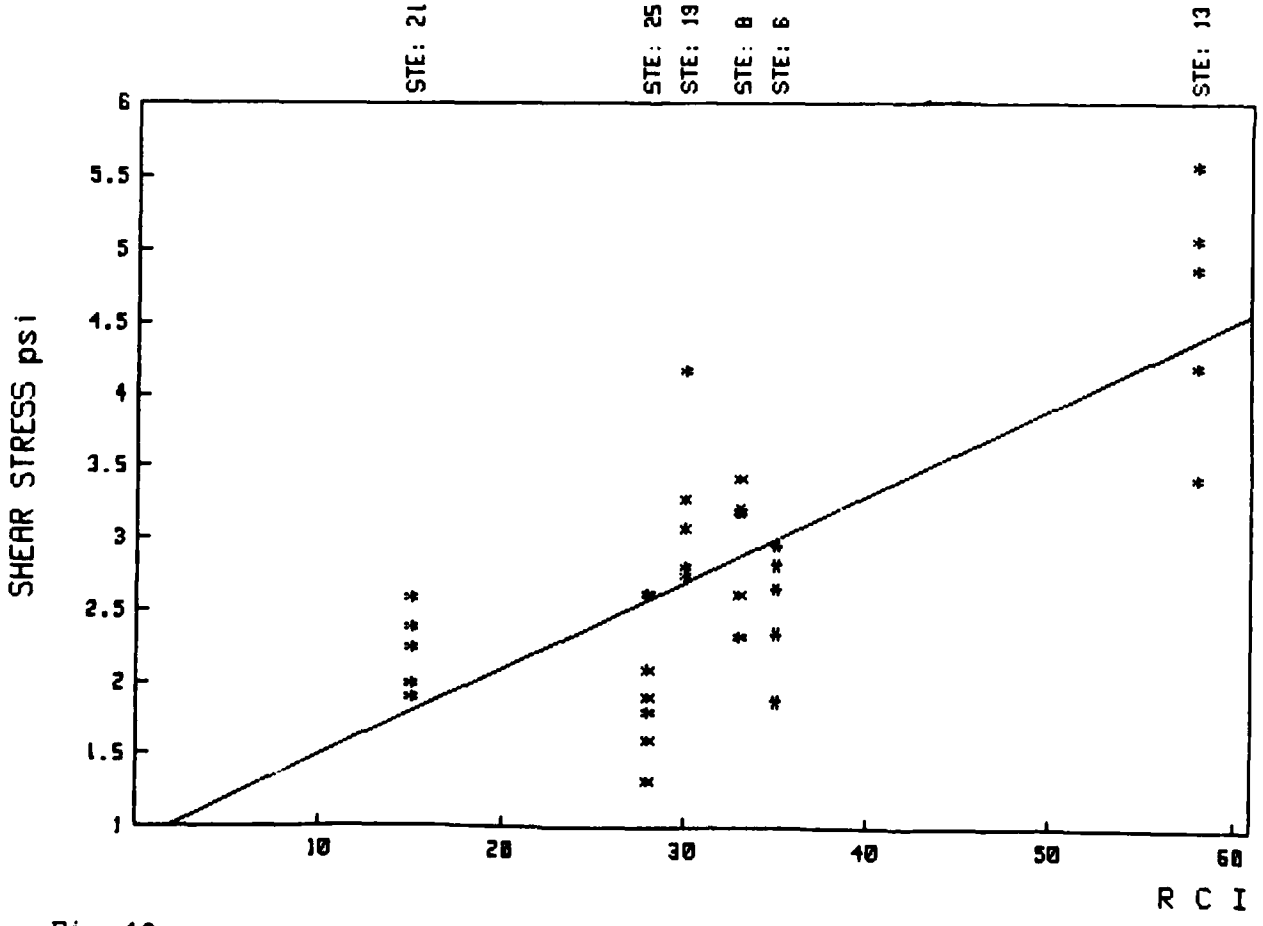


Fig.43 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: Y = a + b * X

a = .77
b = 1.8217E-01

CORRELATION COEFFICIENT R = .6854

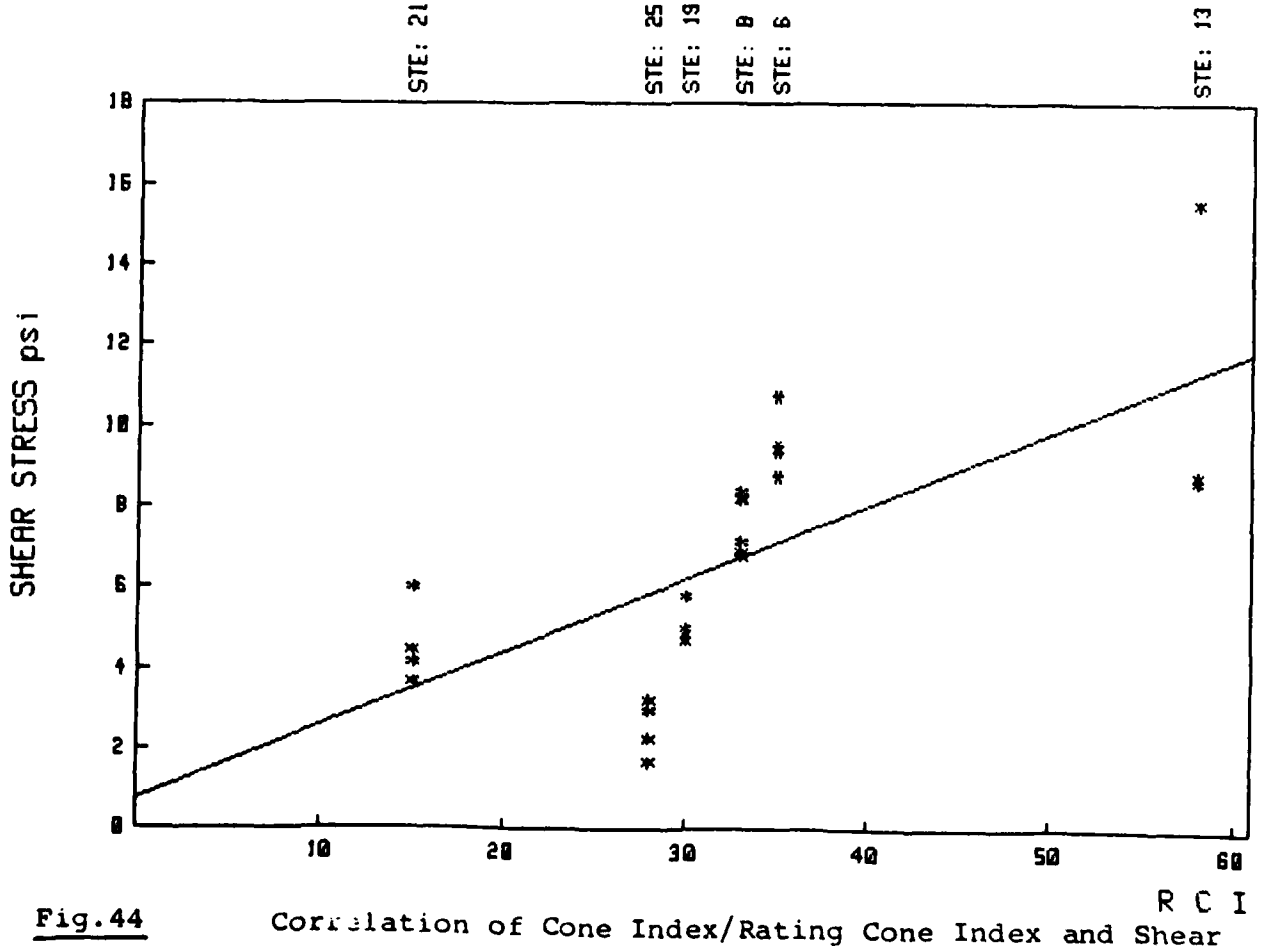


Fig.44 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: Y = a + b * X

a = 5.47
b = 8.5450E-02

CORRELATION COEFFICIENT R = .3413

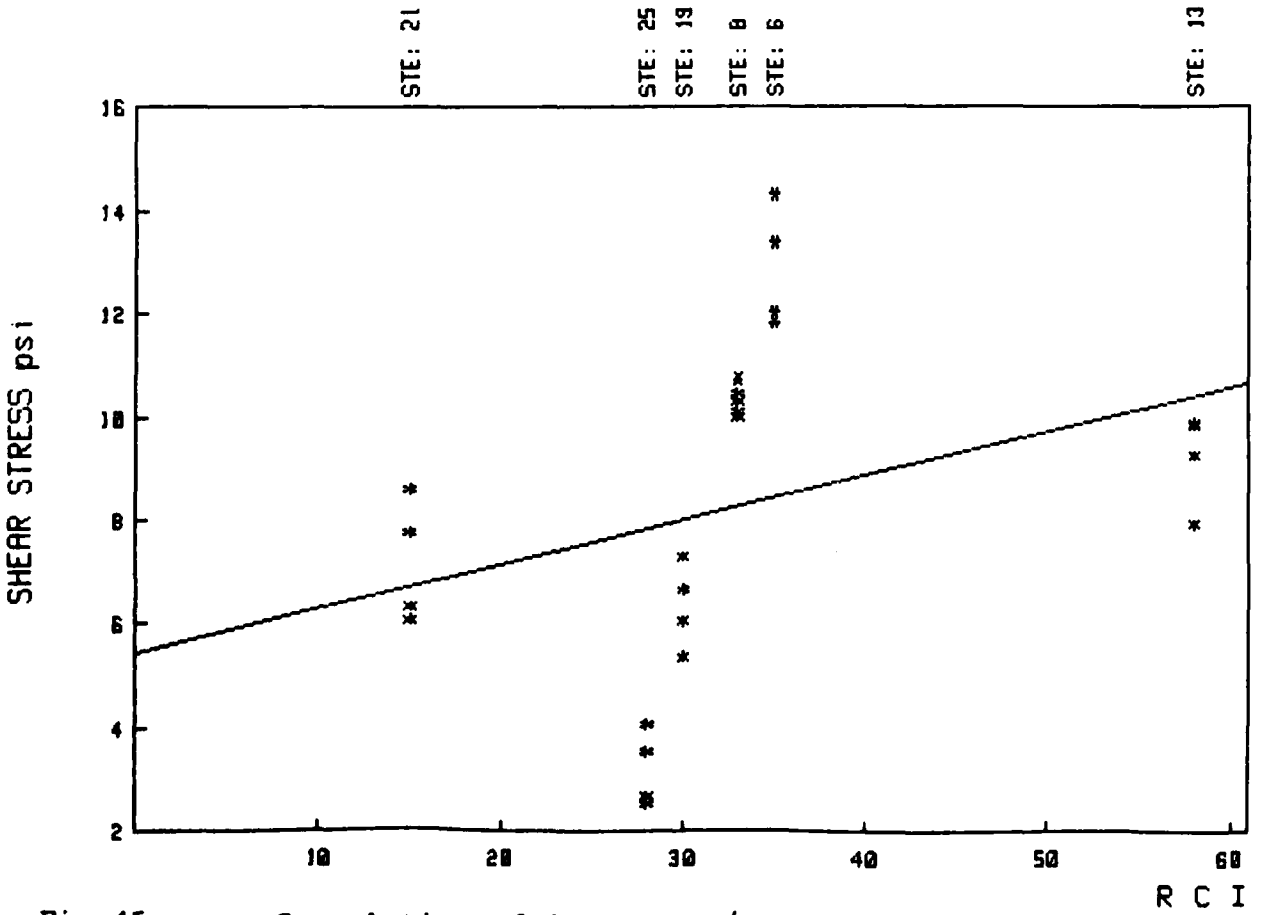


Fig.45 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:20-50%

LINEAR REGRESSION: $Y = a + b * X$

$a = 1.04$
$b = 6.0610E-02$

CORRELATION COEFFICIENT $R = .6070$

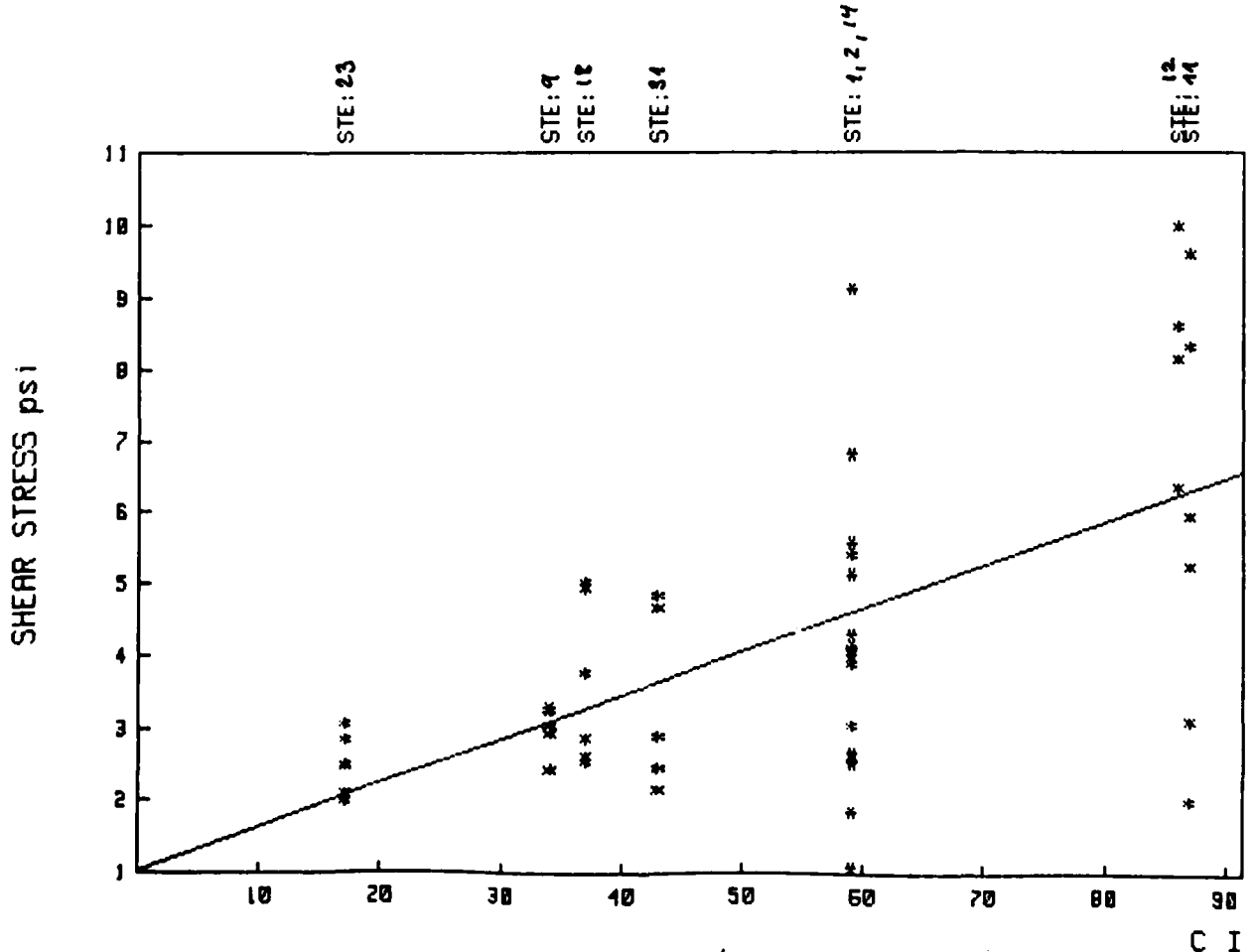


Fig.46 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch, NORMAL STRESS : 5.6 psi, MOISTURE CONTENT: 20-50%

LINEAR REGRESSION: $Y = a + b * X$

$a = 3.08$
$b = 1.2408E-01$

CORRELATION COEFFICIENT $R = .8137$

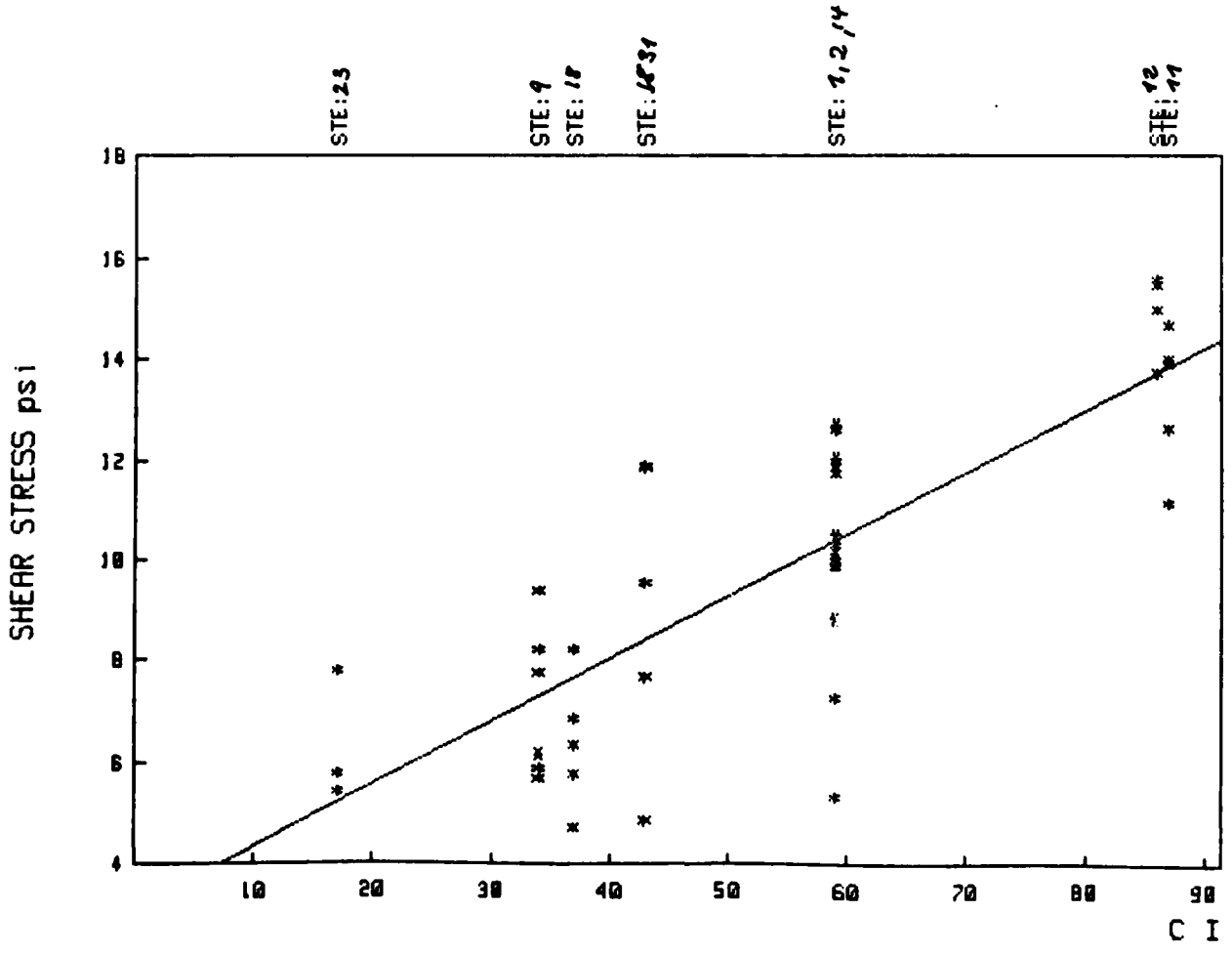


Fig.47 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 2 9 11 12 14 18 23 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:20-50%

LINEAR REGRESSION: $Y = a + b * X$

$a = 4.73$
$b = 1.3493E-01$

CORRELATION COEFFICIENT $R = .7969$

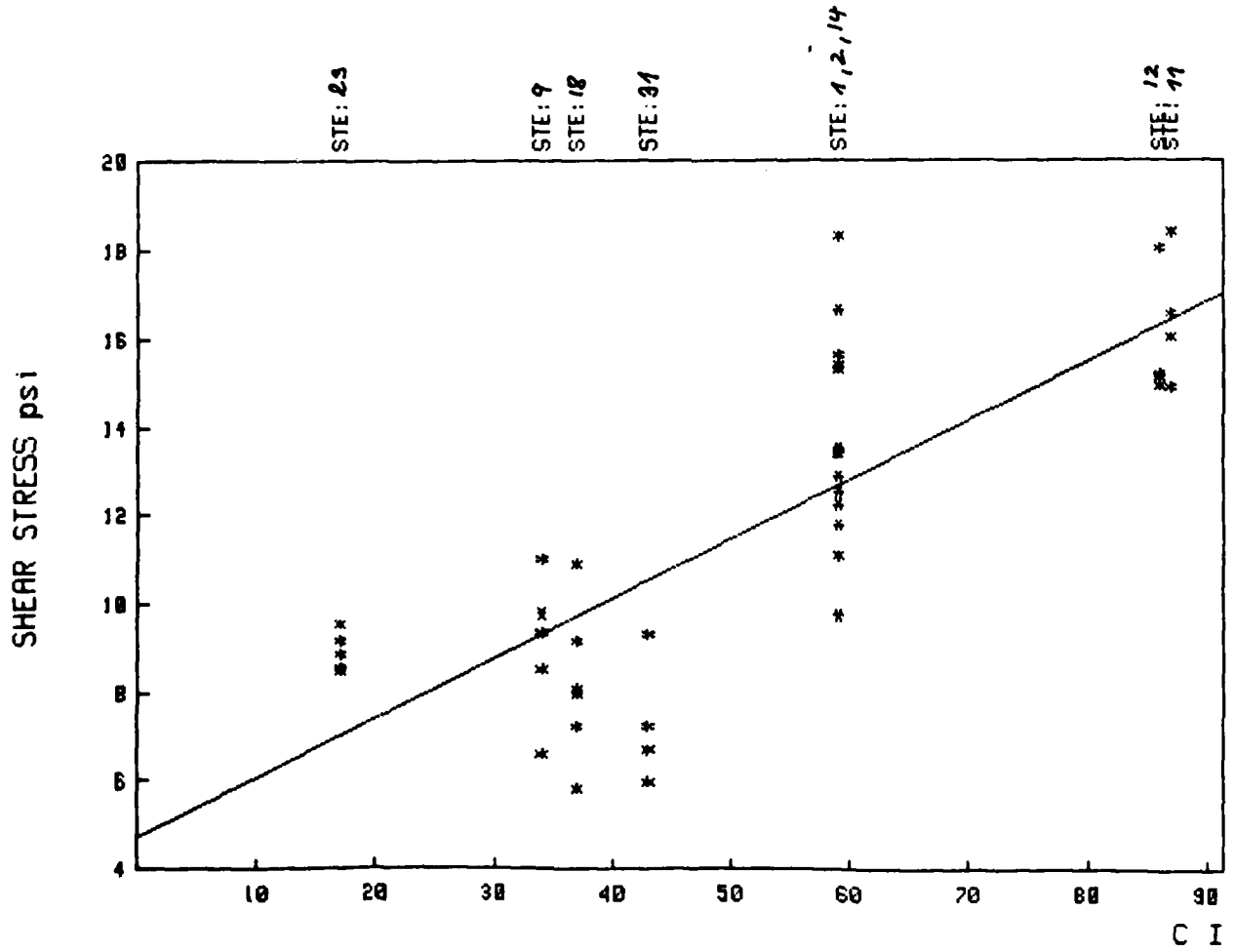


Fig.48 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: $Y = a + b * X$

$a = -5.23$
$b = 2.1029E-01$

CORRELATION COEFFICIENT $R = .7369$

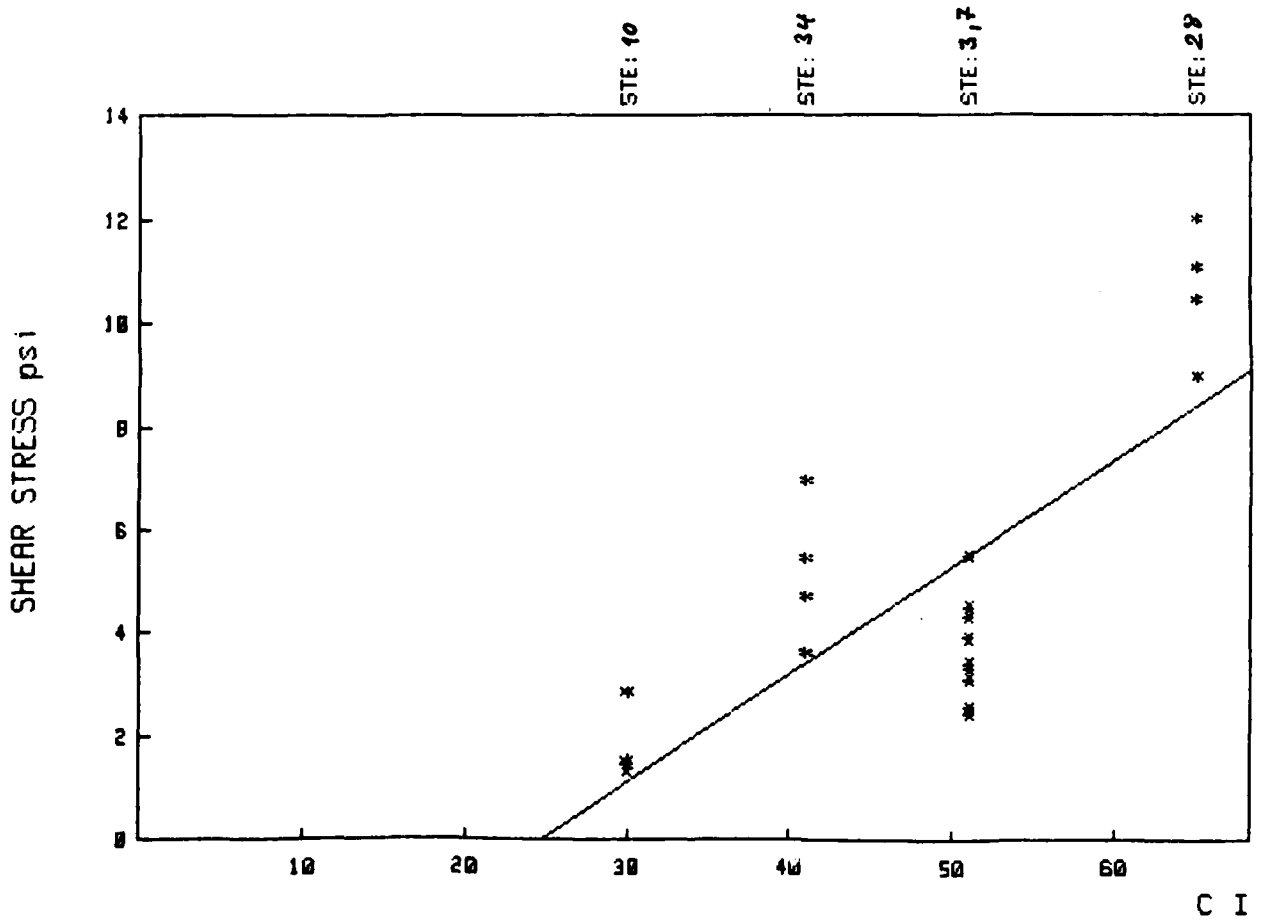


Fig.49 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: Y = a + b * X

a = -2.89
b = 2.4797E-01

CORRELATION COEFFICIENT R = .6963

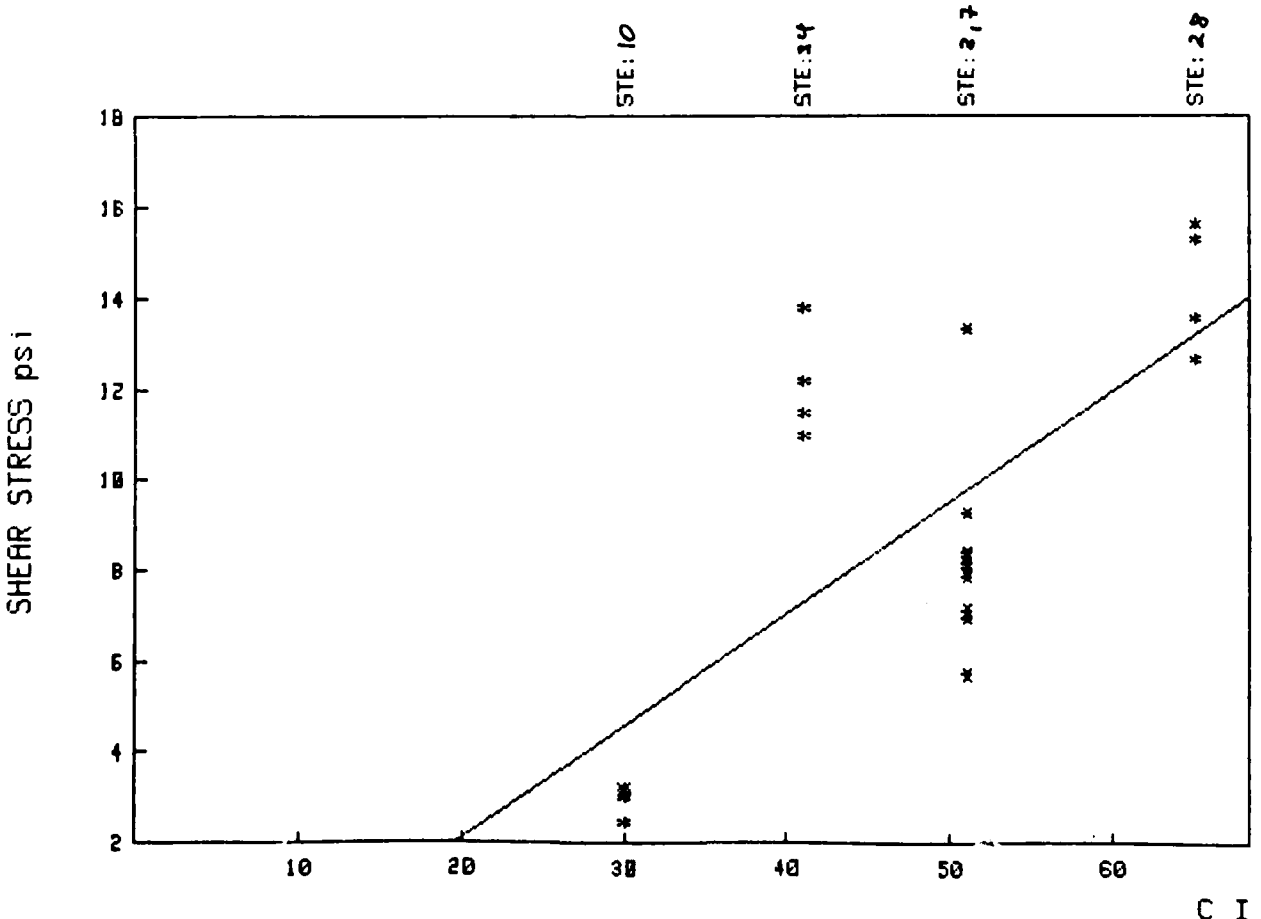


Fig.50 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

3 7 10 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:50-70%

LINEAR REGRESSION: Y = a + b * X

a = -4.91
b = 3.2030E-01

CORRELATION COEFFICIENT R = .7759

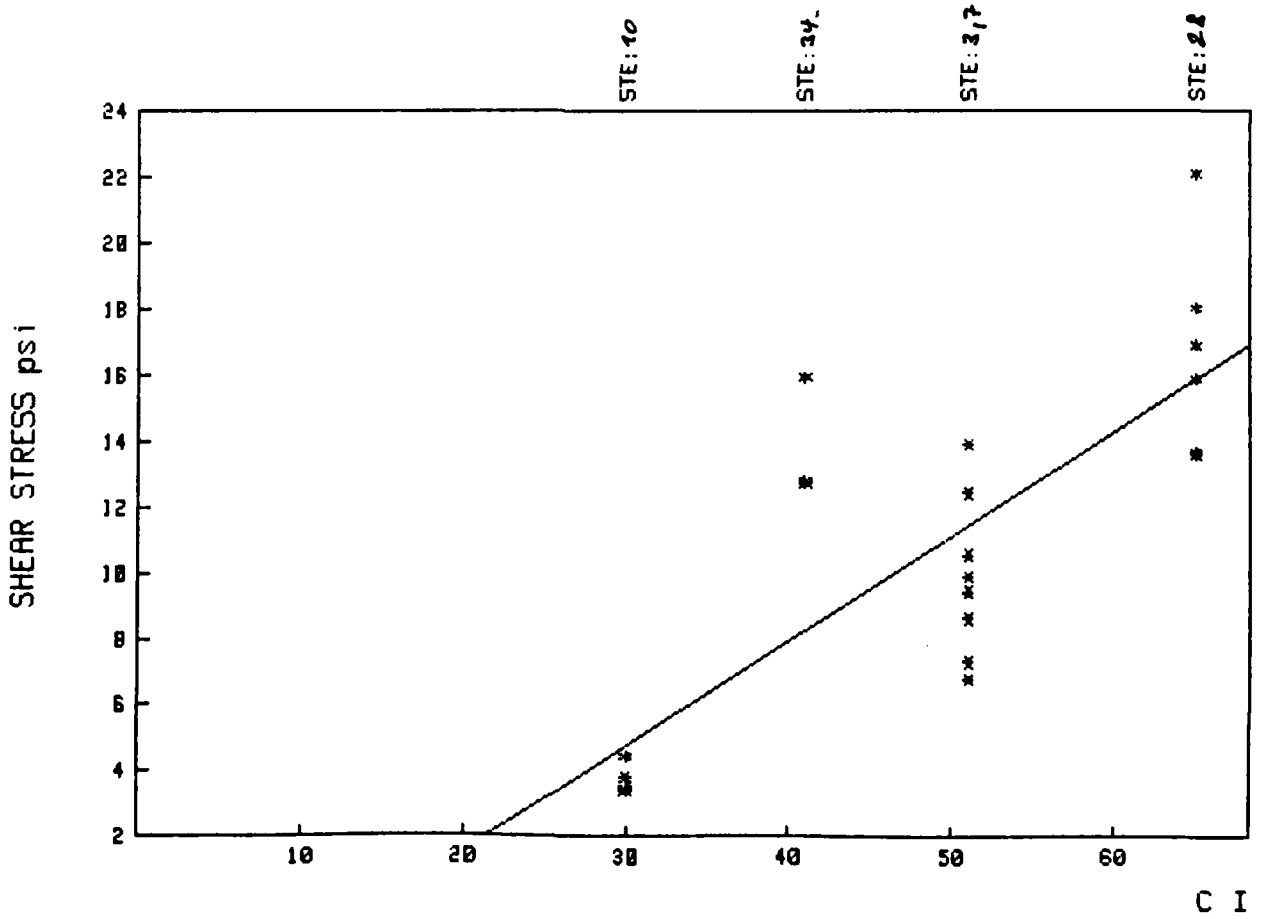


Fig.51 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: $Y = a + b * X$

$a = -.09$
$b = 1.0003E-01$

CORRELATION COEFFICIENT $R = .9133$

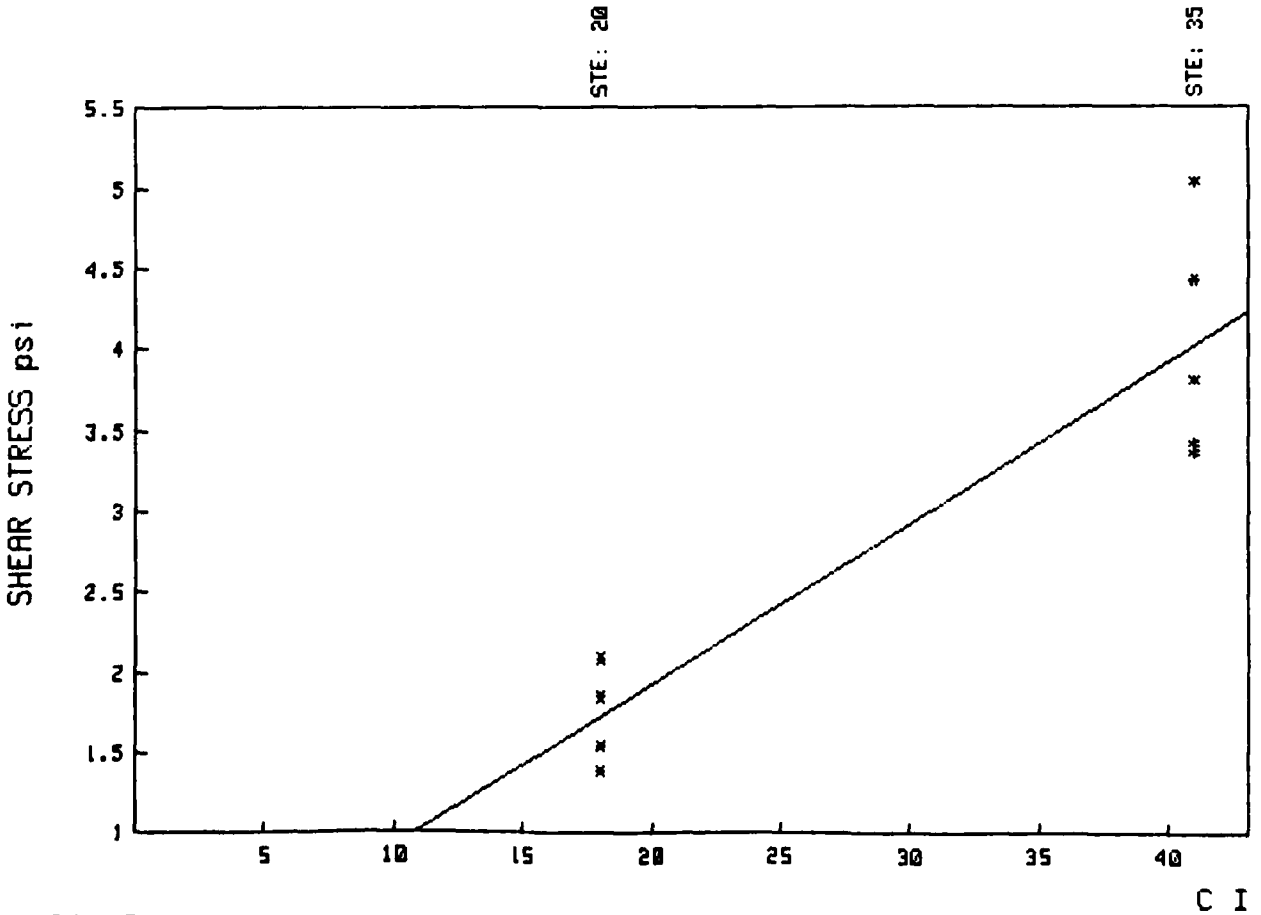


Fig.52 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: Y = a + b * X

a = 1.20
b = 1.1953E-01

CORRELATION COEFFICIENT R = .7228

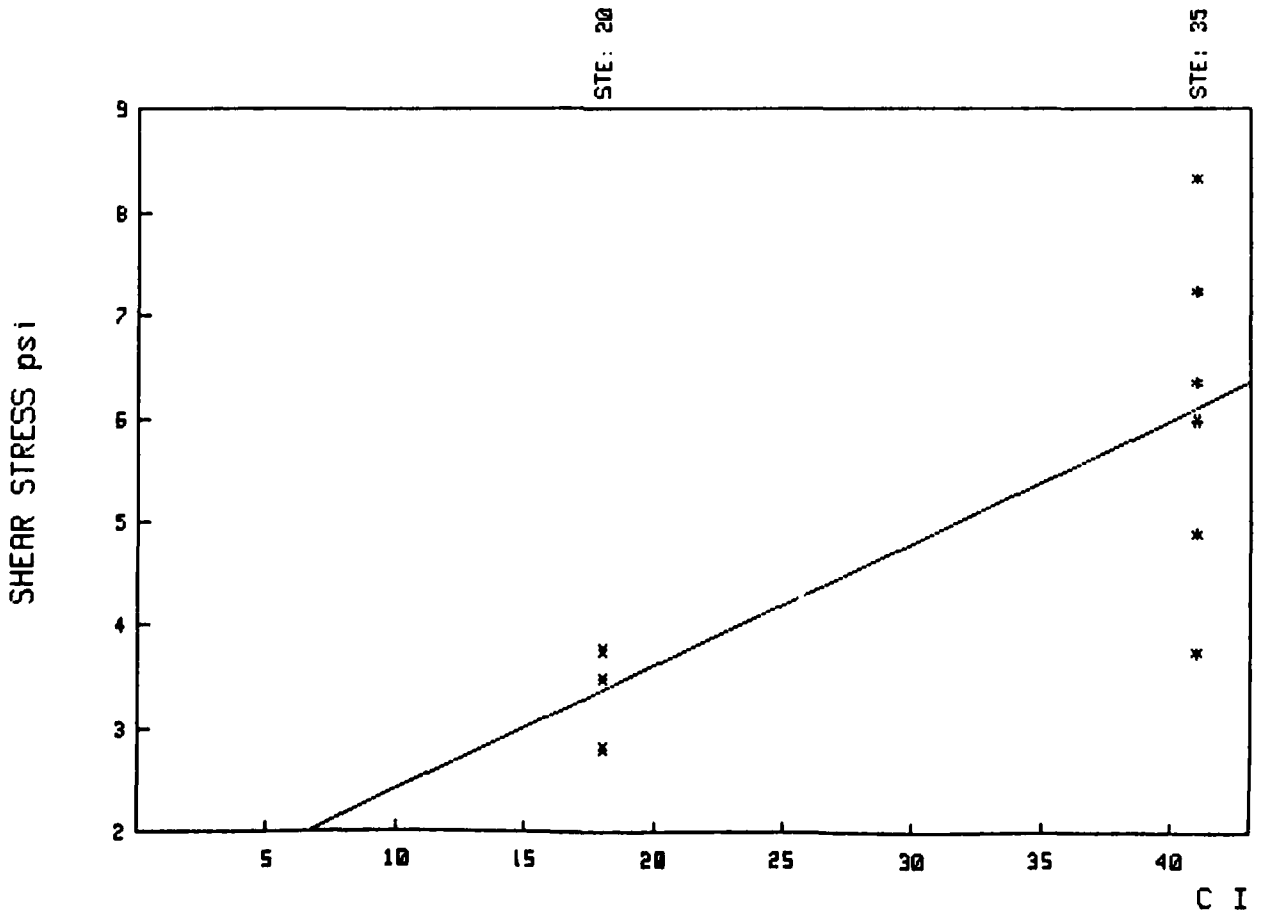


Fig.53 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

20 35

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT:70-100%

LINEAR REGRESSION: Y = a + b * X

a = 2.10
b = 1.0683E-01

CORRELATION COEFFICIENT R = .5906

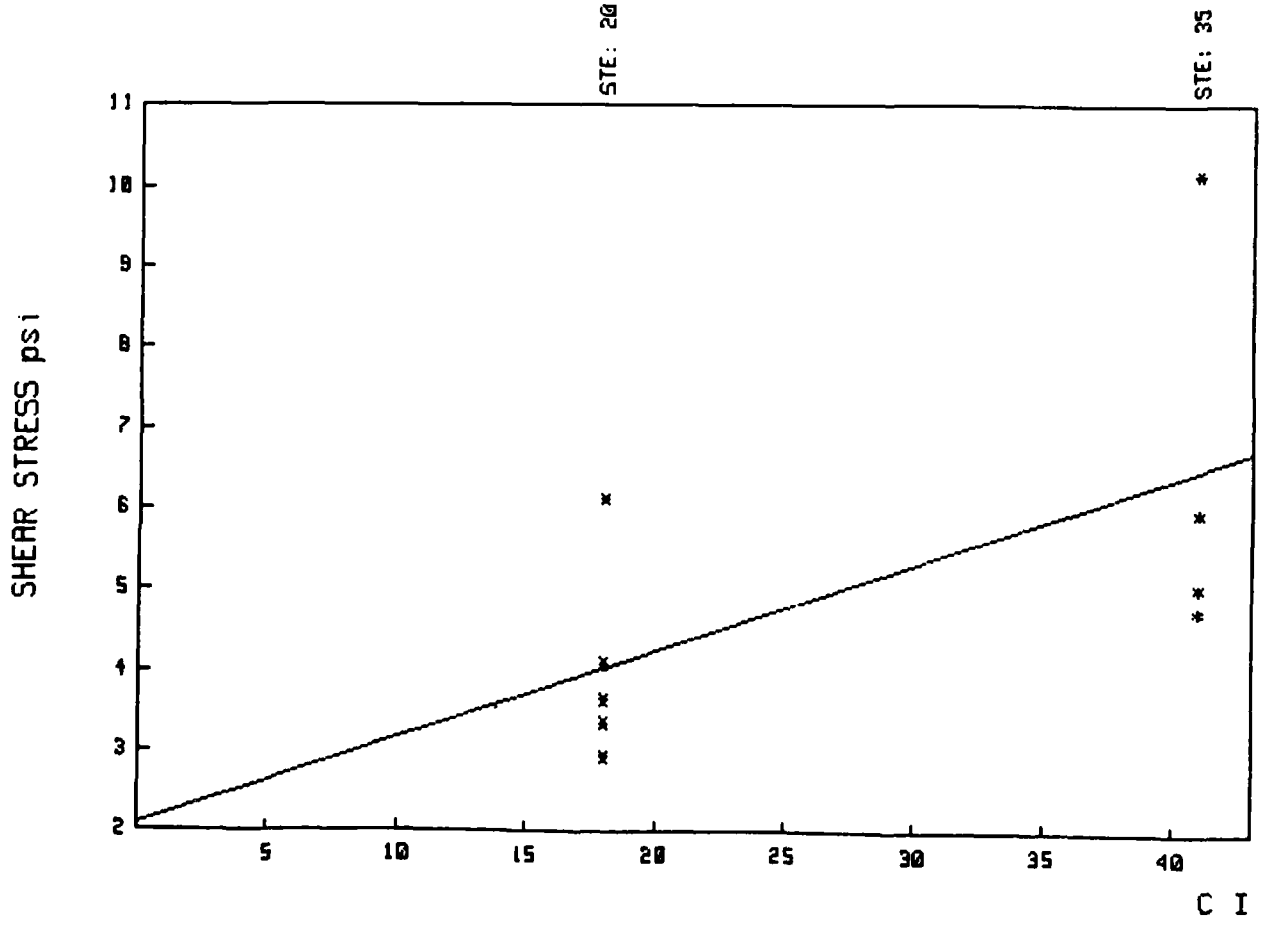


Fig.54 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: Y = a + b * X

a = 1.05
b = 3.2699E-02

CORRELATION COEFFICIENT R = .5452

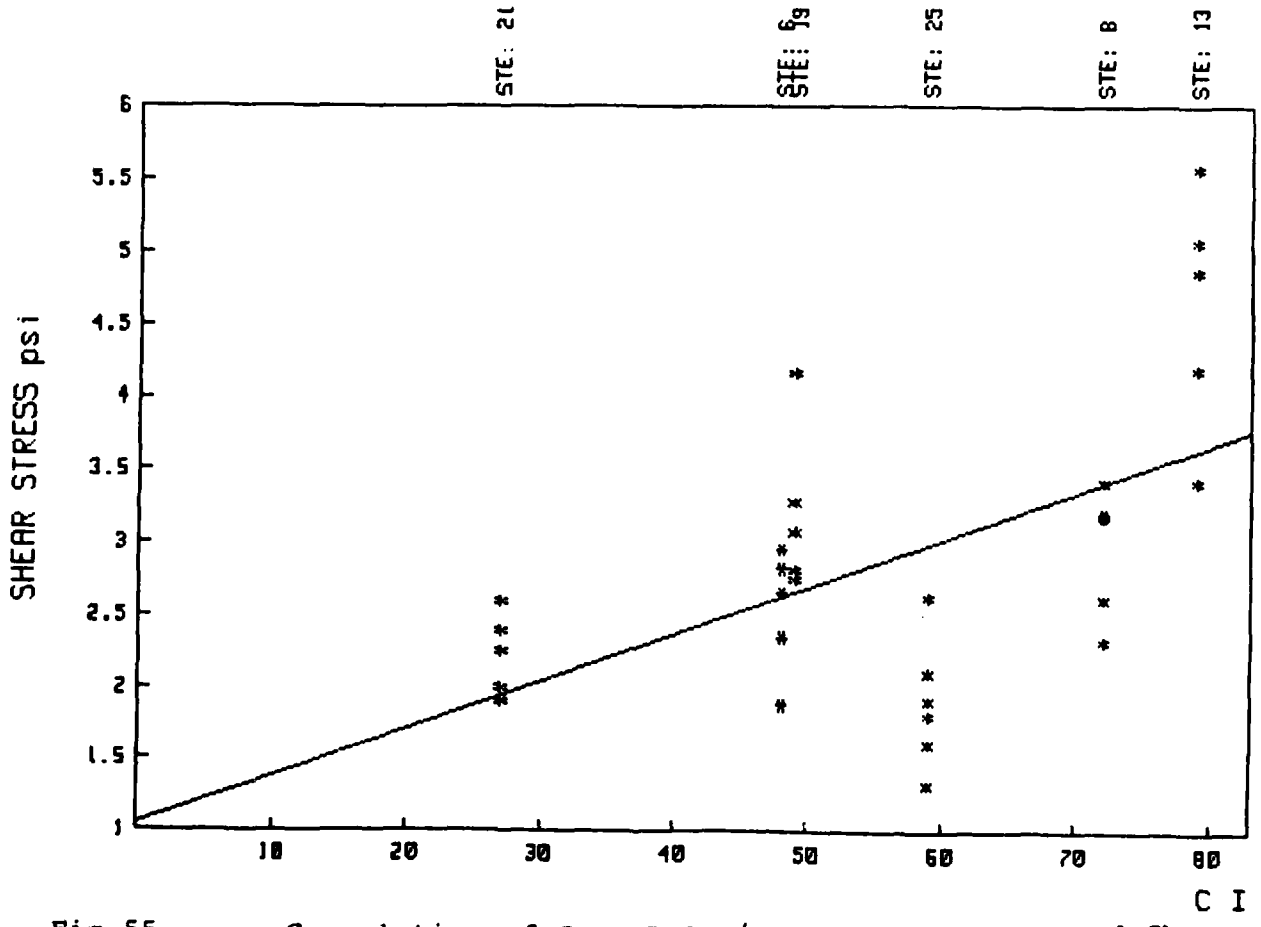


Fig.55 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: $Y = a + b * X$

$a = 2.34$
$b = 7.6637E-02$

CORRELATION COEFFICIENT $R = .4189$

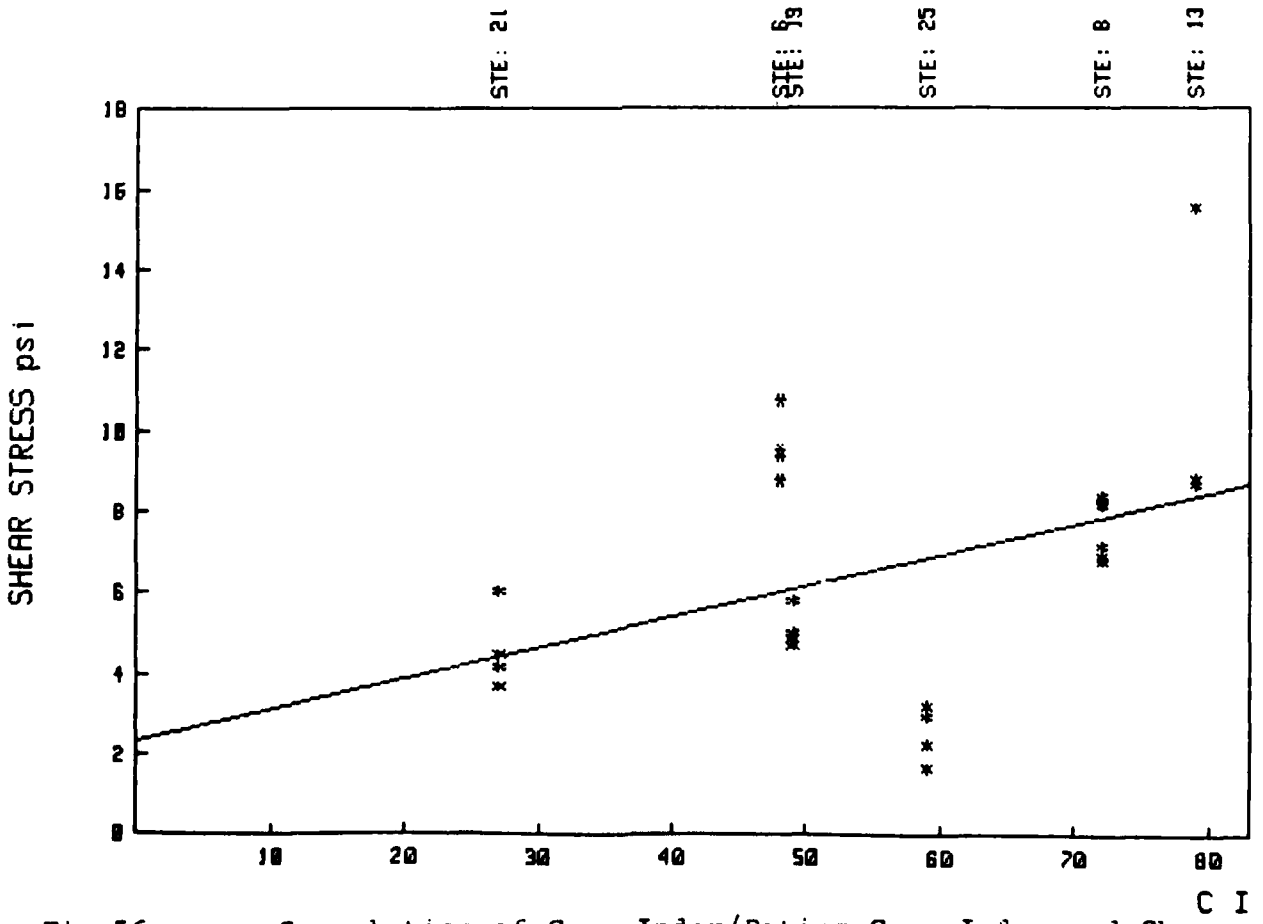


Fig.56 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 13 19 21 25

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,MOISTURE CONTENT: >100%

LINEAR REGRESSION: Y = a + b * X

a = 6.56
b = 3.0924E-02

CORRELATION COEFFICIENT R = .1673

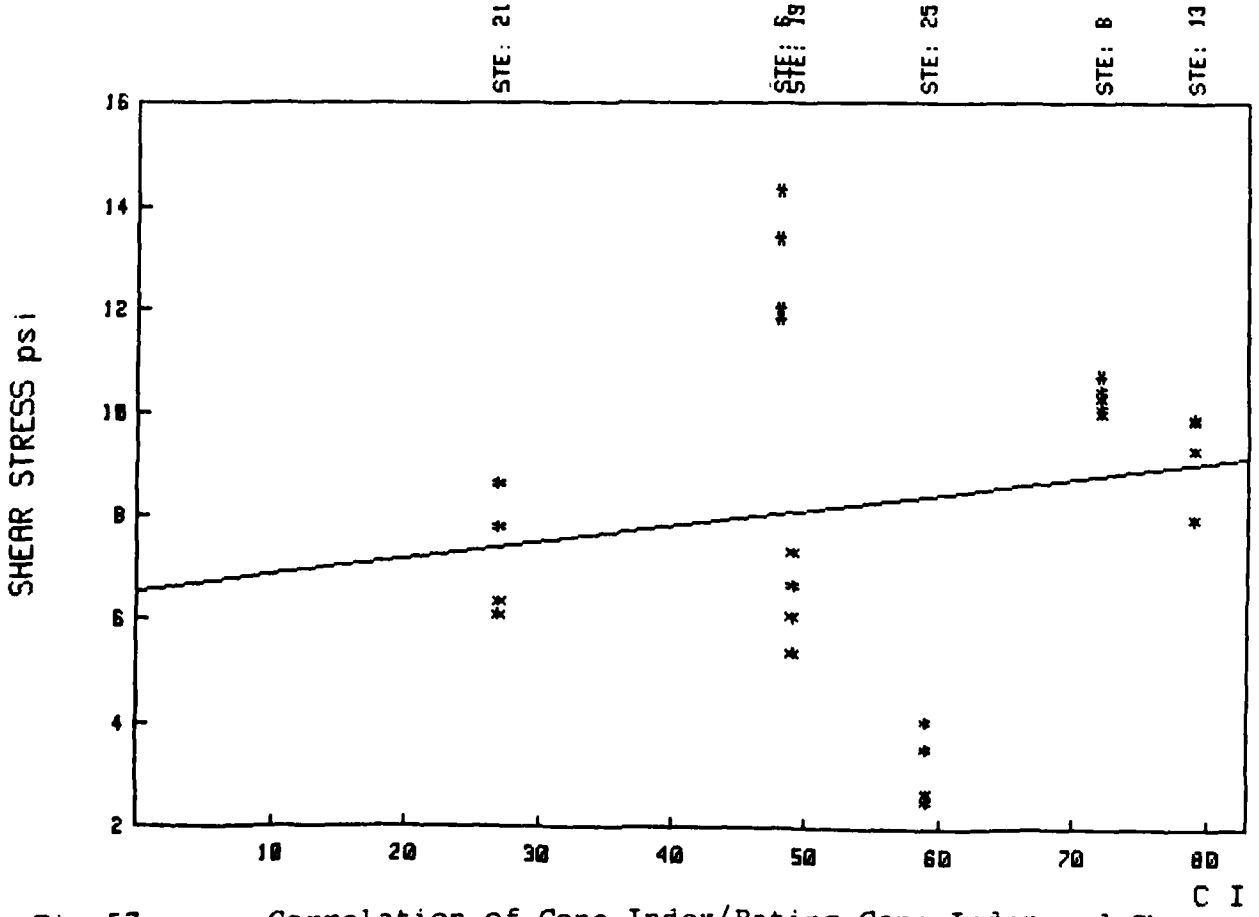


Fig.57 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Moisture Content = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: Y = a + b * X

a = 2.23
b = 5.2203E-02

CORRELATION COEFFICIENT R = .5458

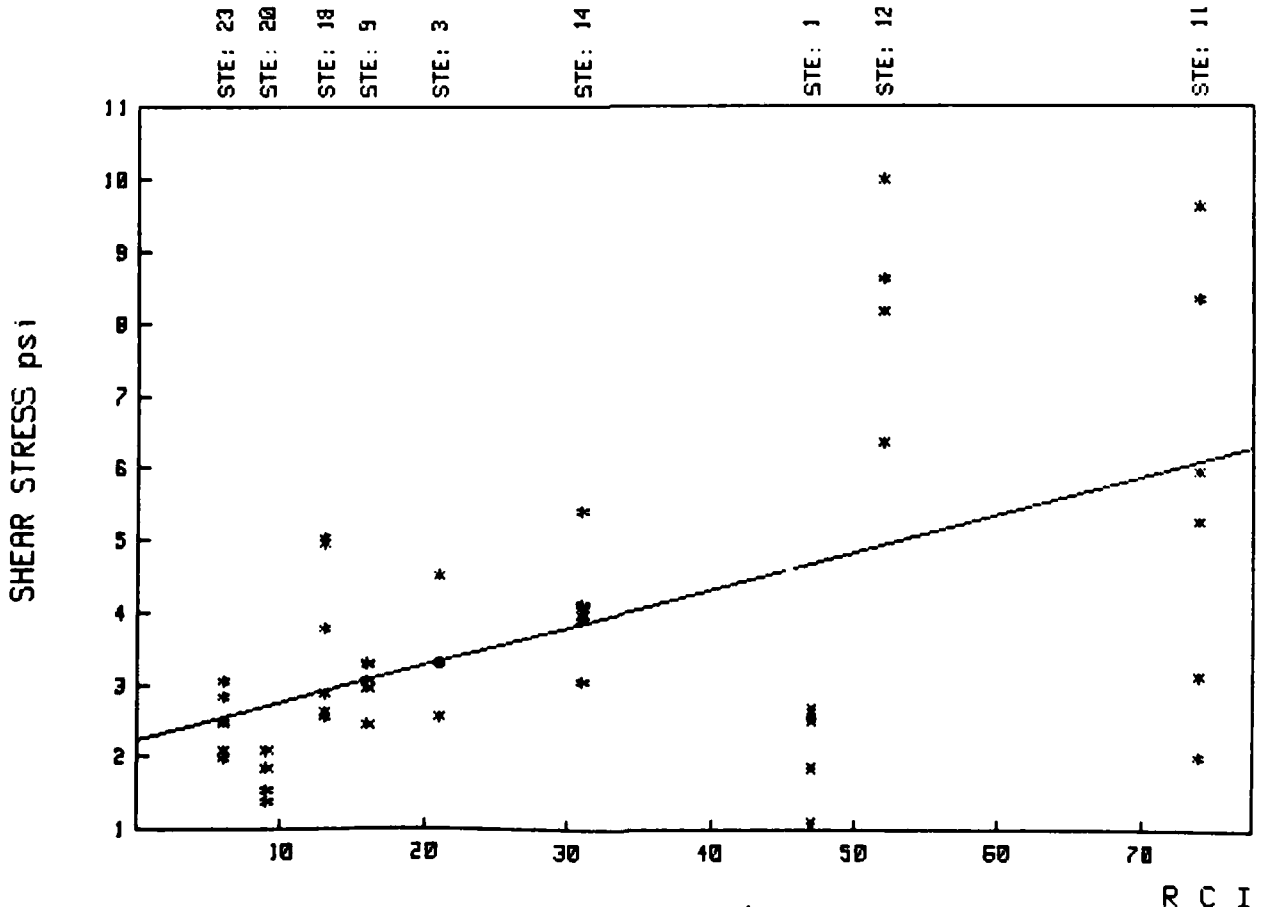


Fig.58 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: $Y = a + b * X$

$a = 5.07$
$b = 1.3041E-01$

CORRELATION COEFFICIENT $R = .7954$

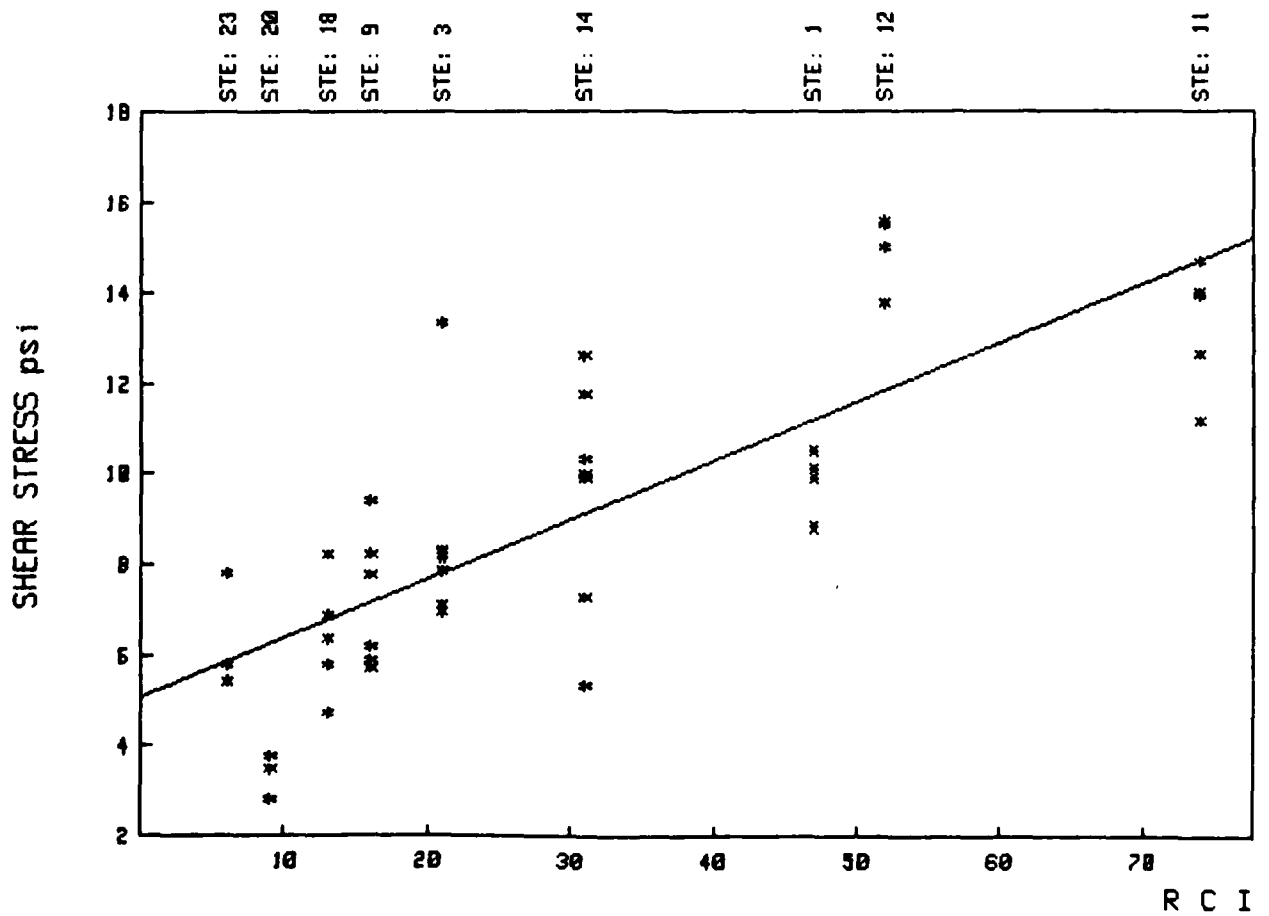


Fig.59 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: $Y = a + b * X$

$a = 6.31$
$b = 1.6426E-01$

CORRELATION COEFFICIENT $R = .7942$

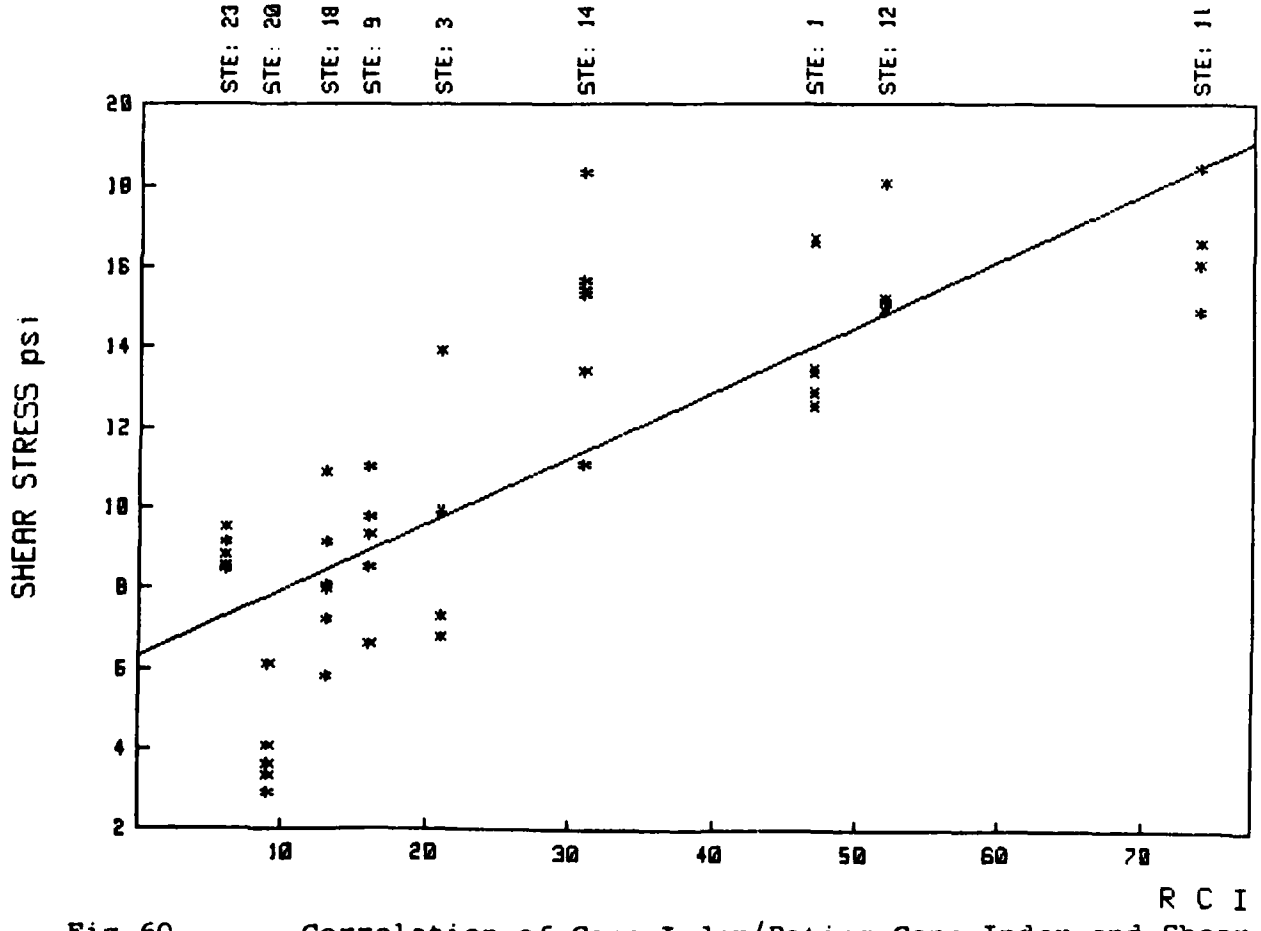


Fig.60 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: Y = a + b * X

a = -1.83
b = 2.3371E-01

CORRELATION COEFFICIENT R = .4924

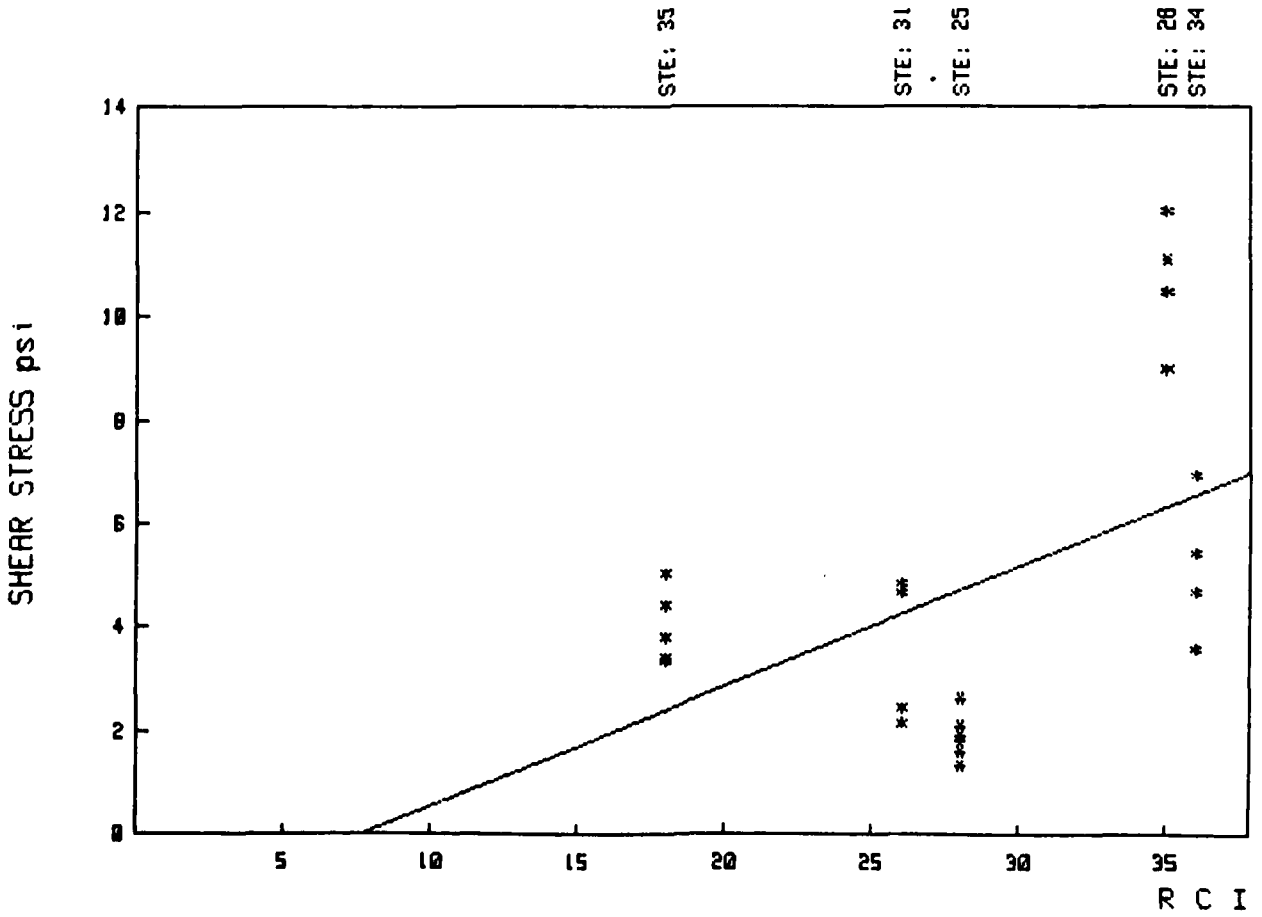


Fig.61 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: $Y = a + b * X$

$a = -2.13$
$b = 3.8997E-01$

CORRELATION COEFFICIENT $R = .6167$

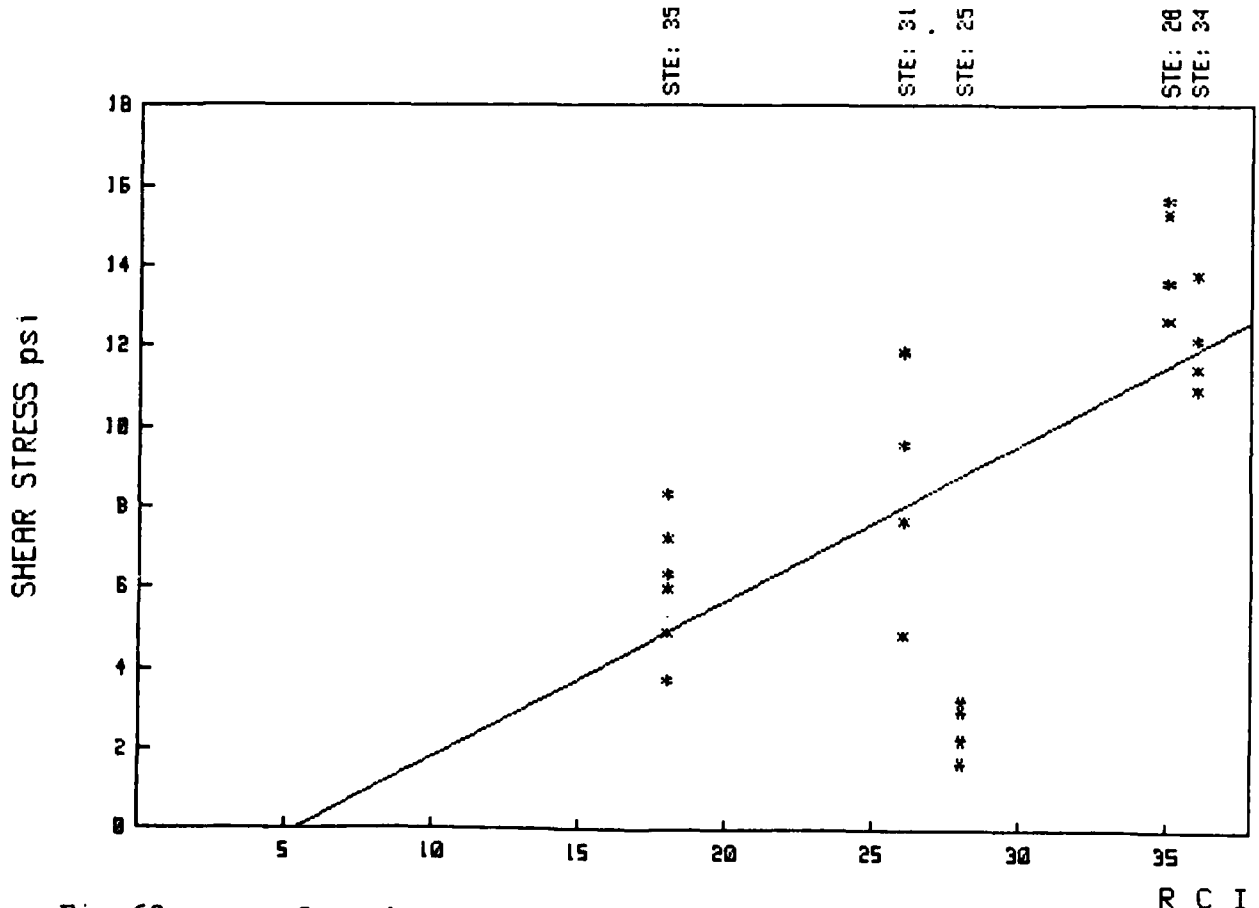


Fig.62 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: $Y = a + b * X$

$a = -7.49$
$b = 6.0586E-01$

CORRELATION COEFFICIENT $R = .7007$

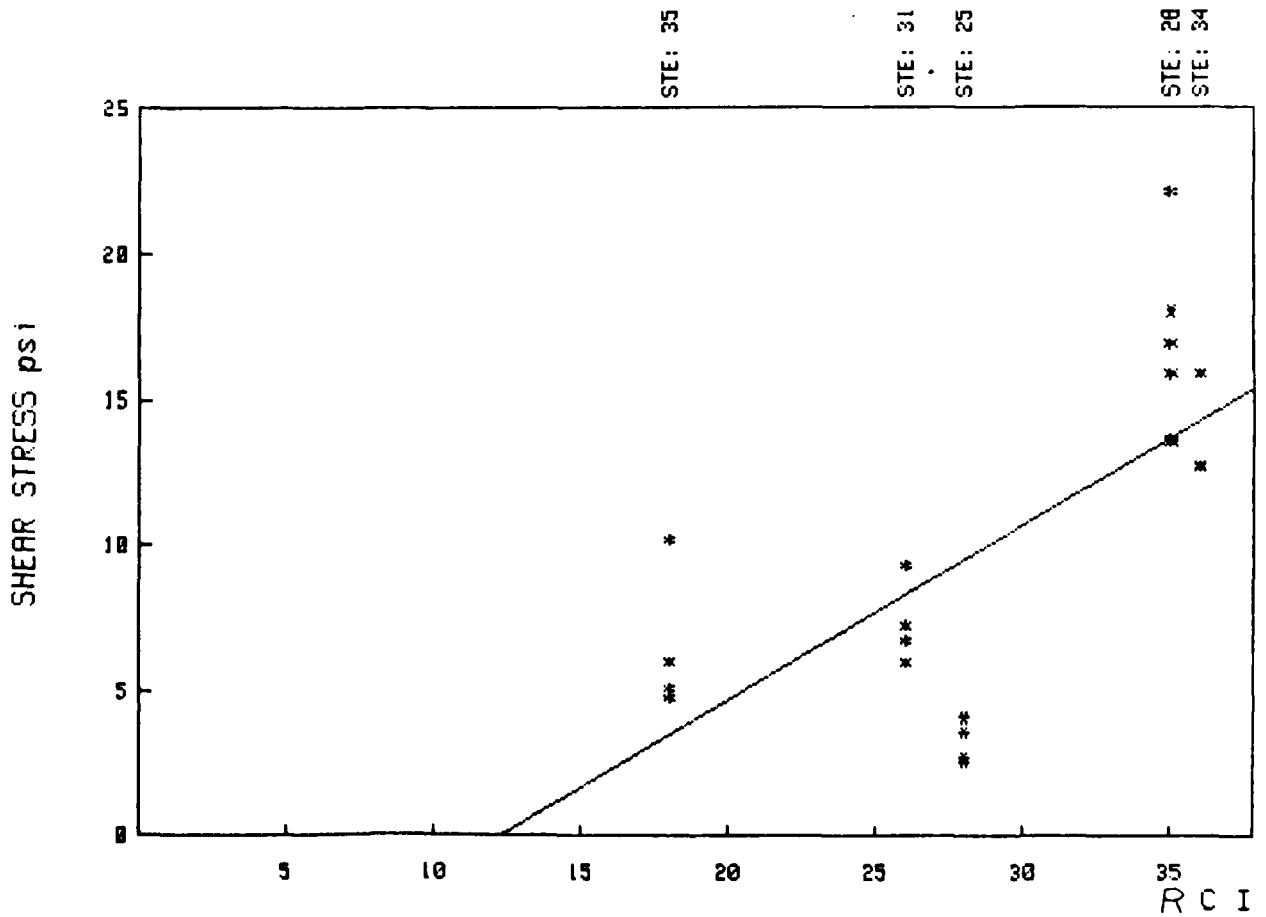


Fig.63 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: > 20%

LINEAR REGRESSION: Y = a + b * X

a = 2.09
b = 3.2785E-02

CORRELATION COEFFICIENT R = .2837

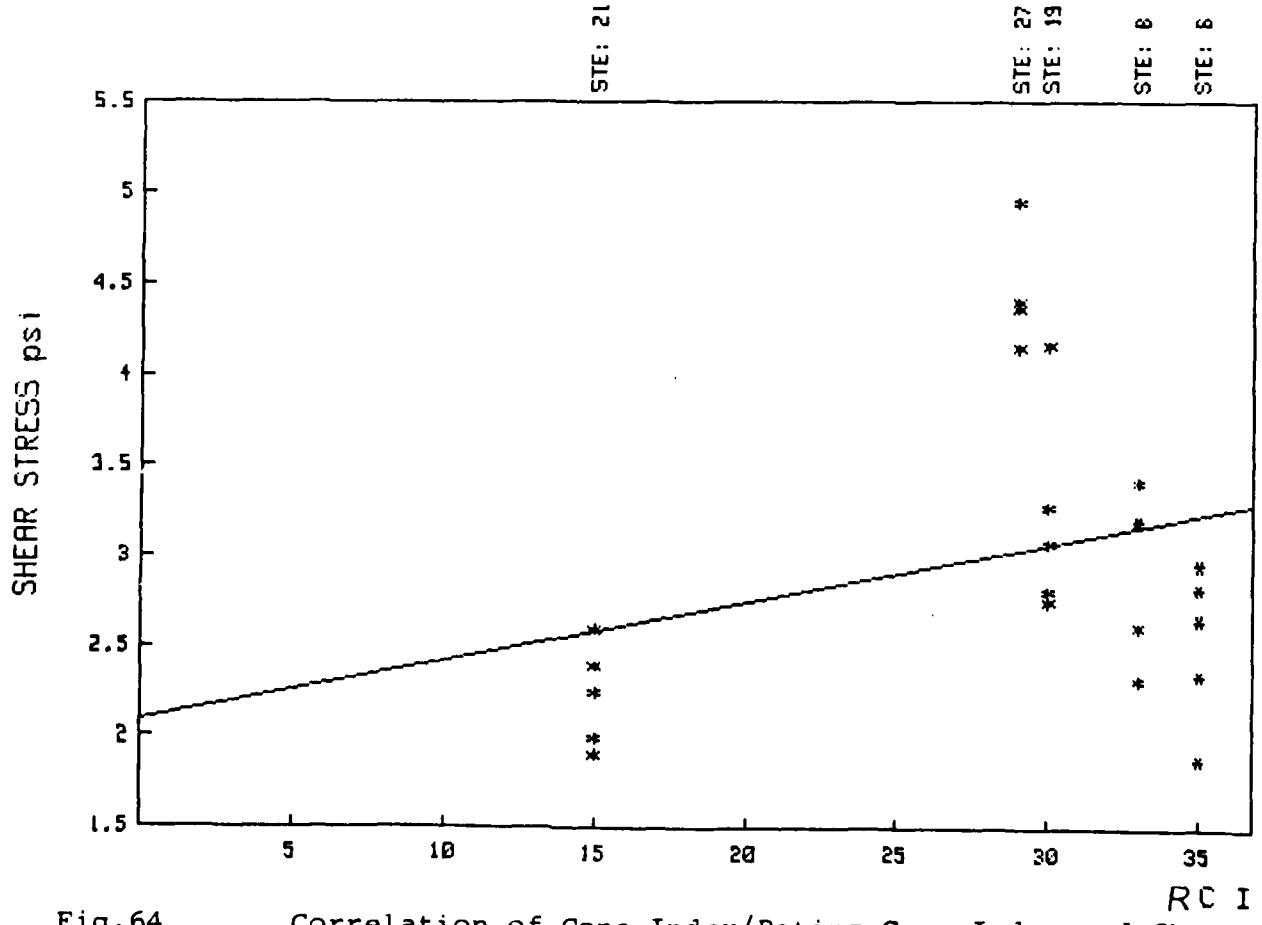


Fig.64 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: >20%

LINEAR REGRESSION: Y = a + b * X

a = 1.34
b = 2.0032E-01

CORRELATION COEFFICIENT R = .6940

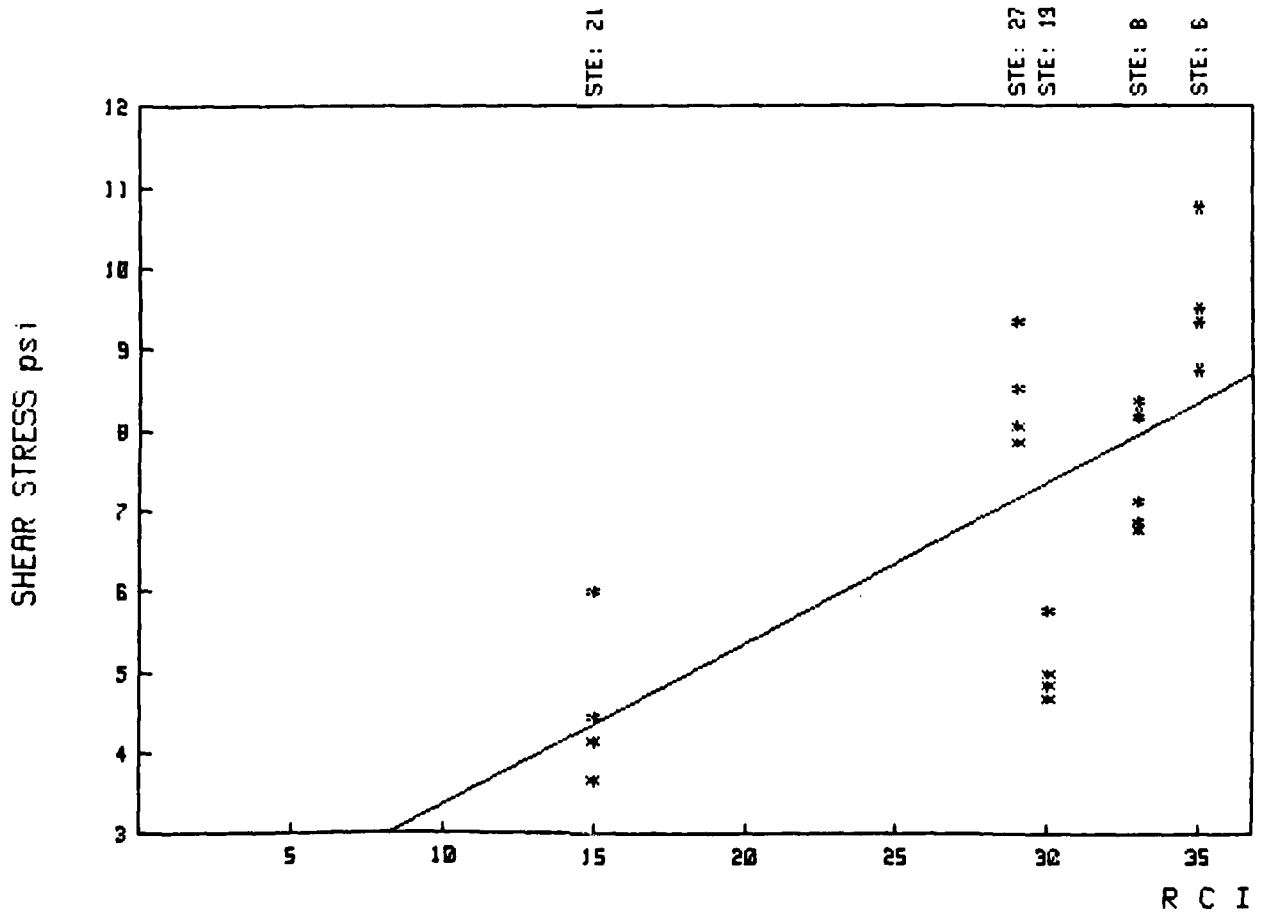


Fig.65 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: >20%

LINEAR REGRESSION: Y = a + b * X

a = 3.49
b = 2.1290E-01

CORRELATION COEFFICIENT R = .5746

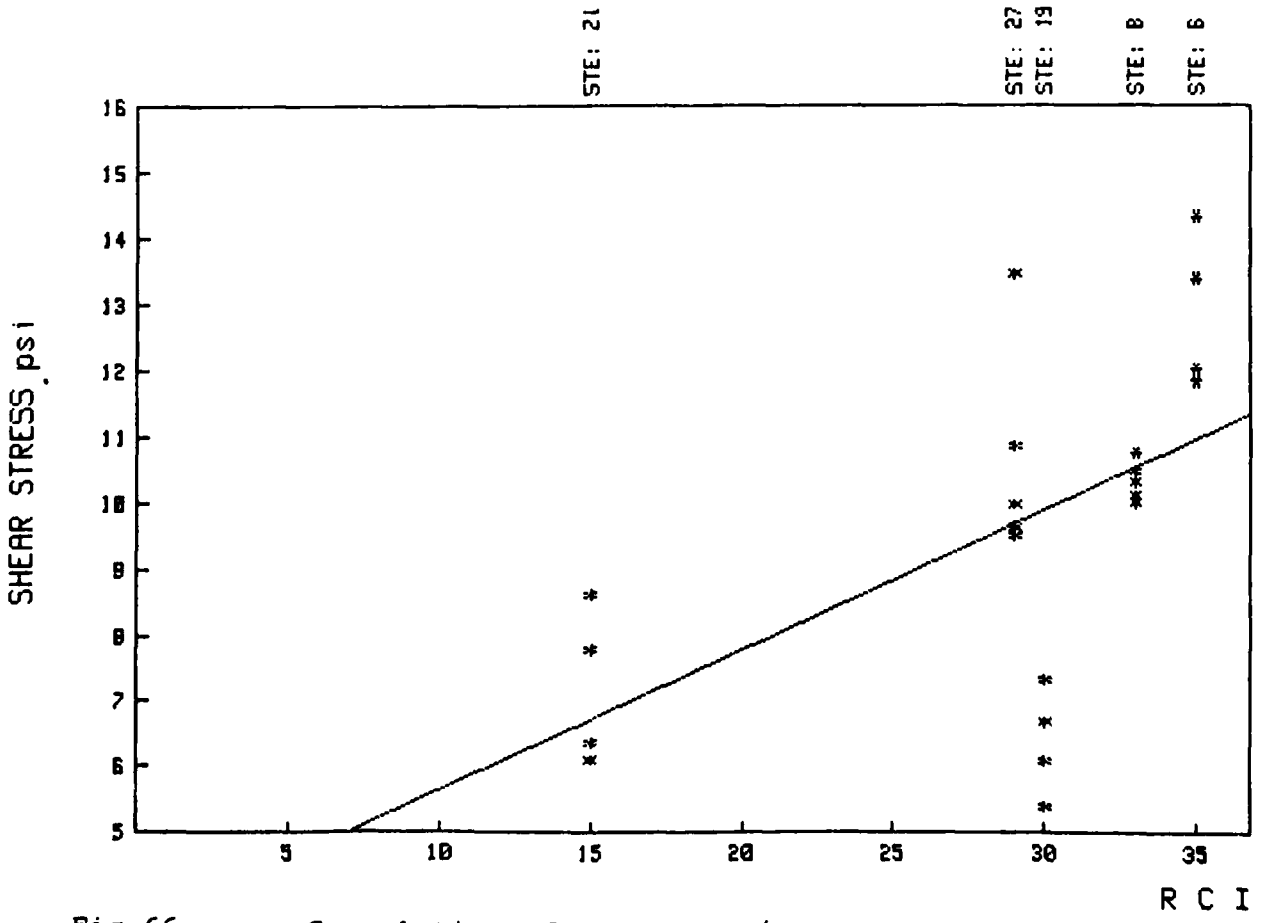


Fig.66 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: Y = a + b * X

a = .85
b = 5.9400E-02

CORRELATION COEFFICIENT R = .6718

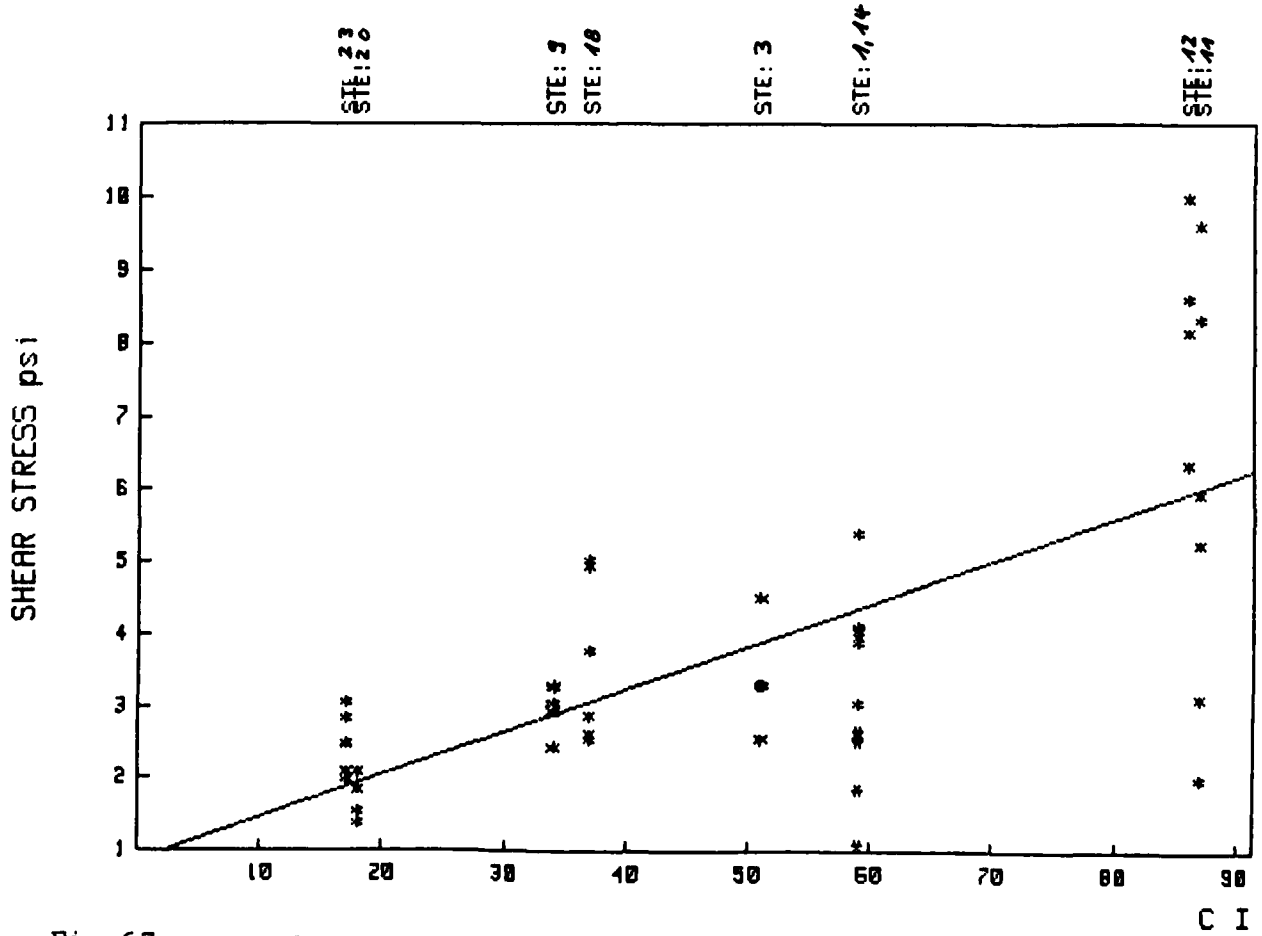


Fig.67 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: Y = a + b * X

a = 2.13
b = 1.3325E-01

CORRELATION COEFFICIENT R = .8644

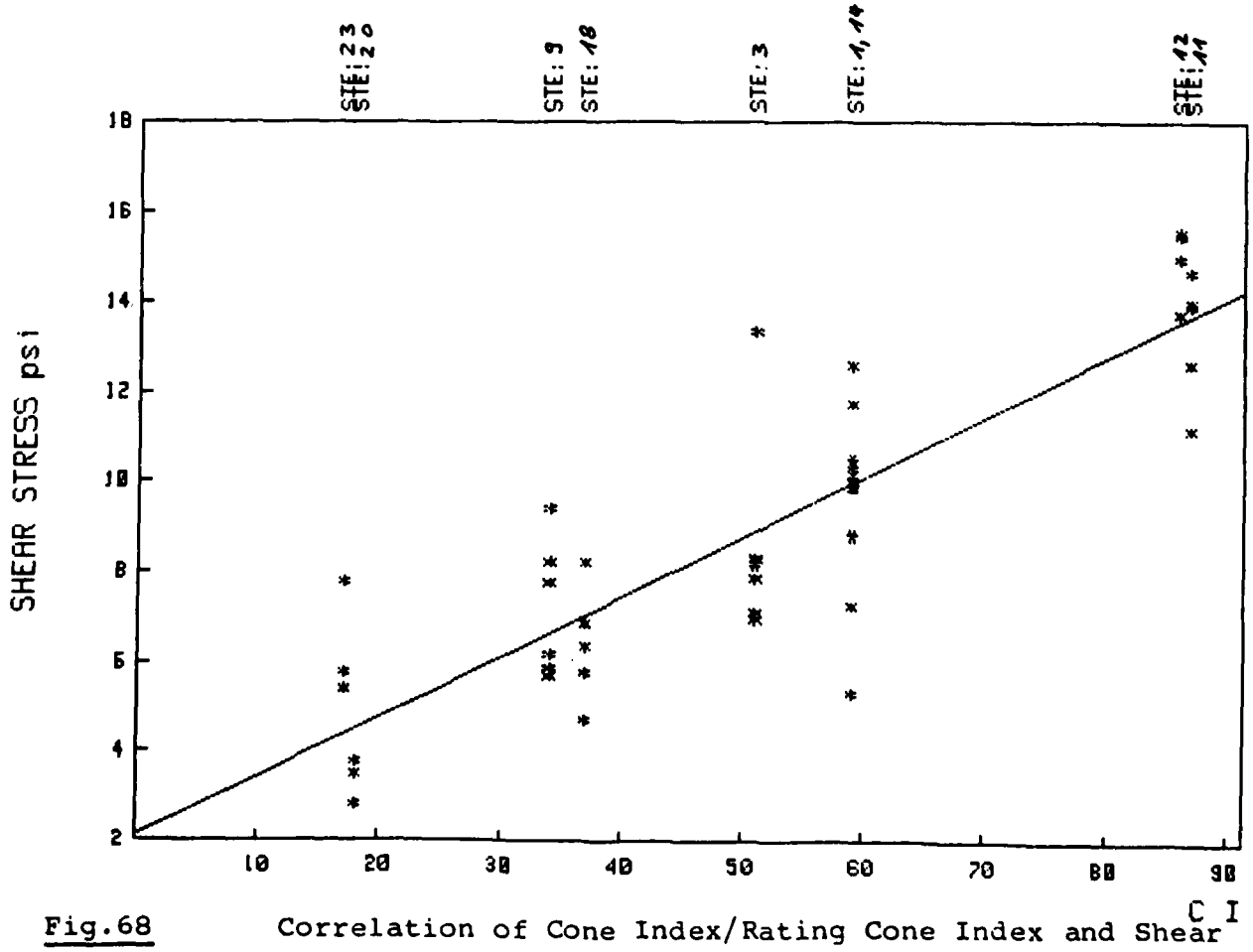


Fig.68 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 3 9 11 12 14 18 20 23

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: 5-10%

LINEAR REGRESSION: $Y = a + b * X$

$a = 3.65$
$b = 1.5128E-01$

CORRELATION COEFFICIENT $R = .8227$

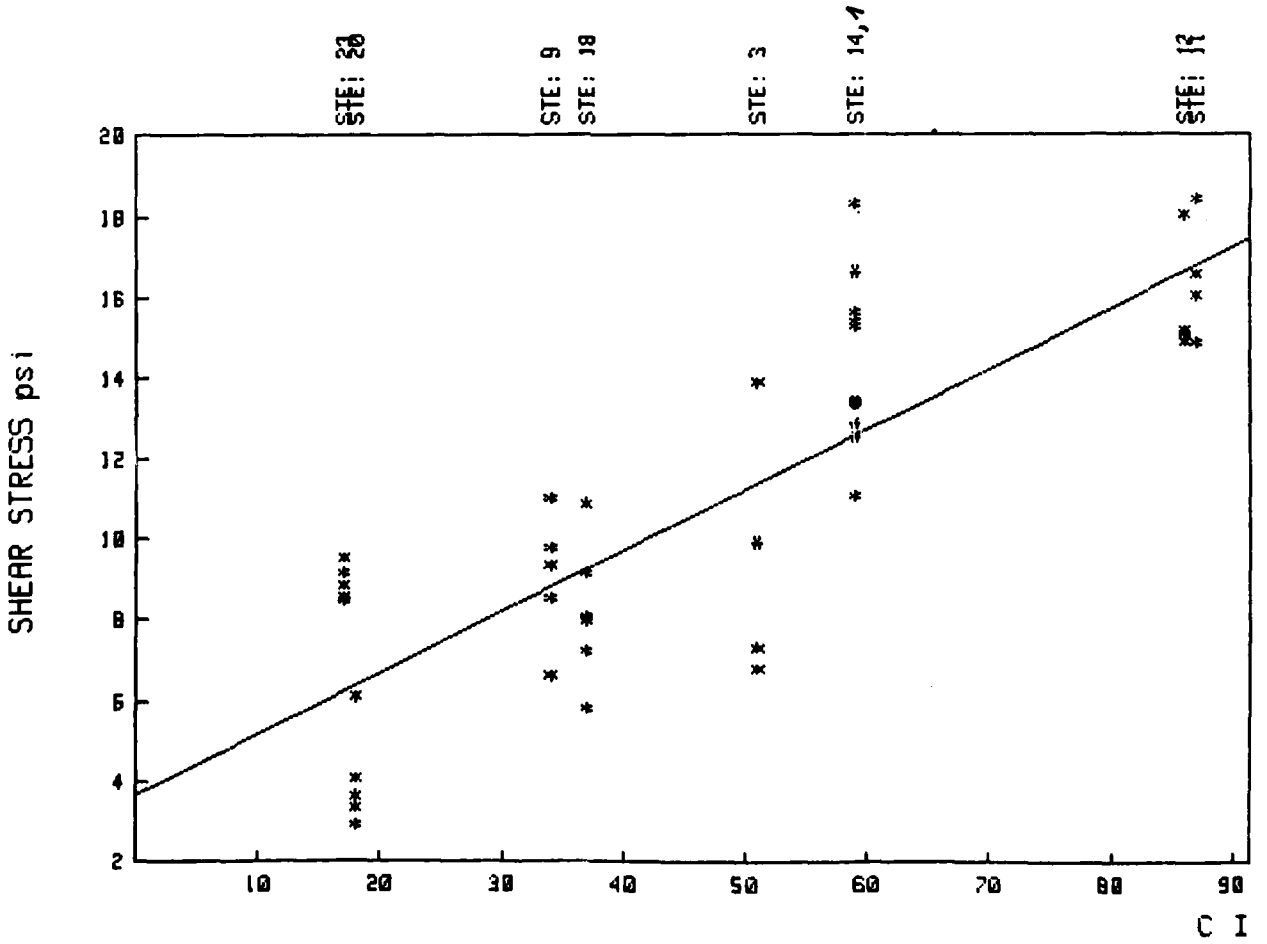


Fig.69 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: Y = a + b * X

a = -.74
b = 1.0903E-01

CORRELATION COEFFICIENT R = .3548

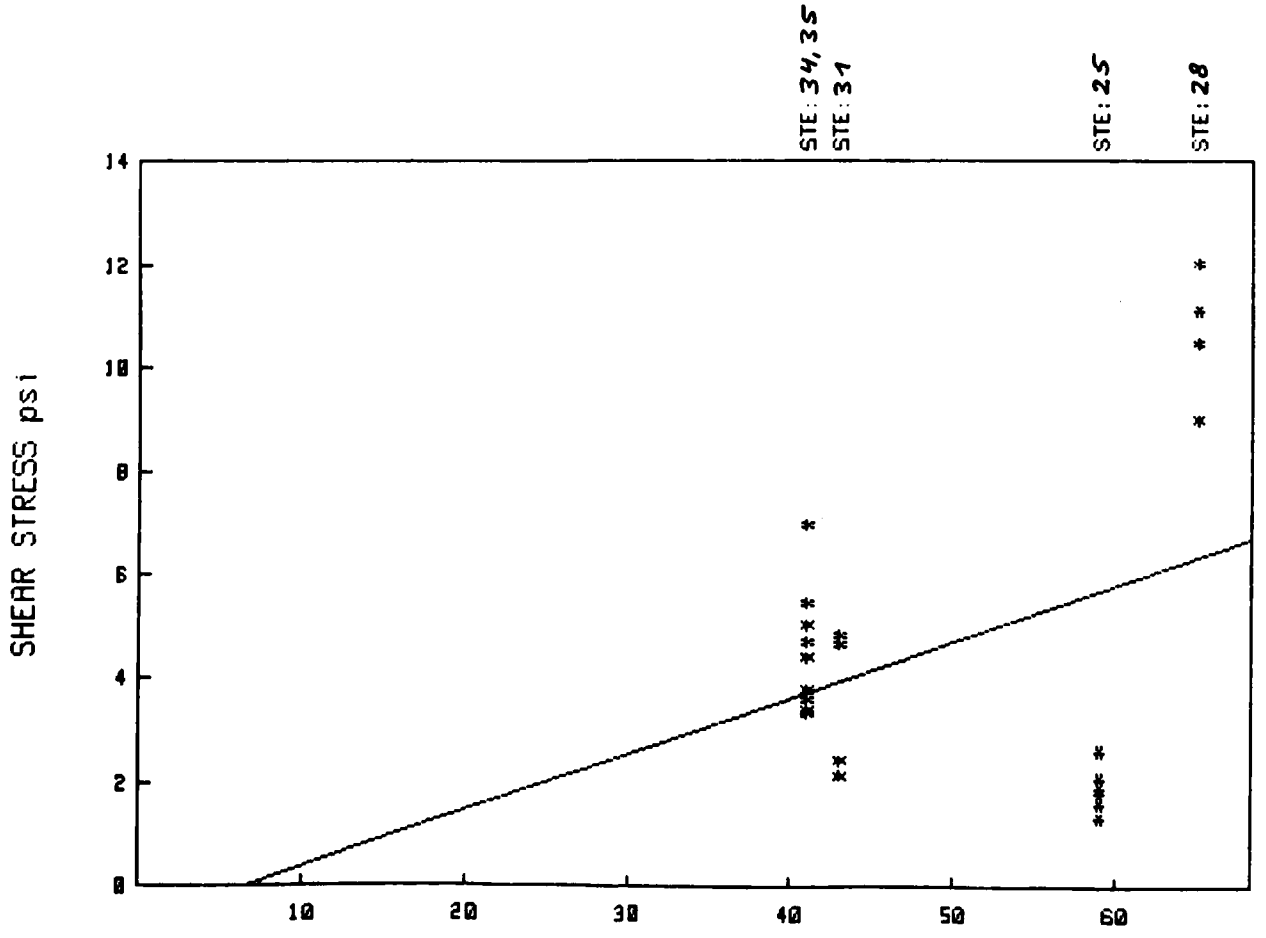


Fig.70 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: $Y = a + b * X$

$a = 6.17$
$b = 5.0287E-02$

CORRELATION COEFFICIENT $R = .1152$

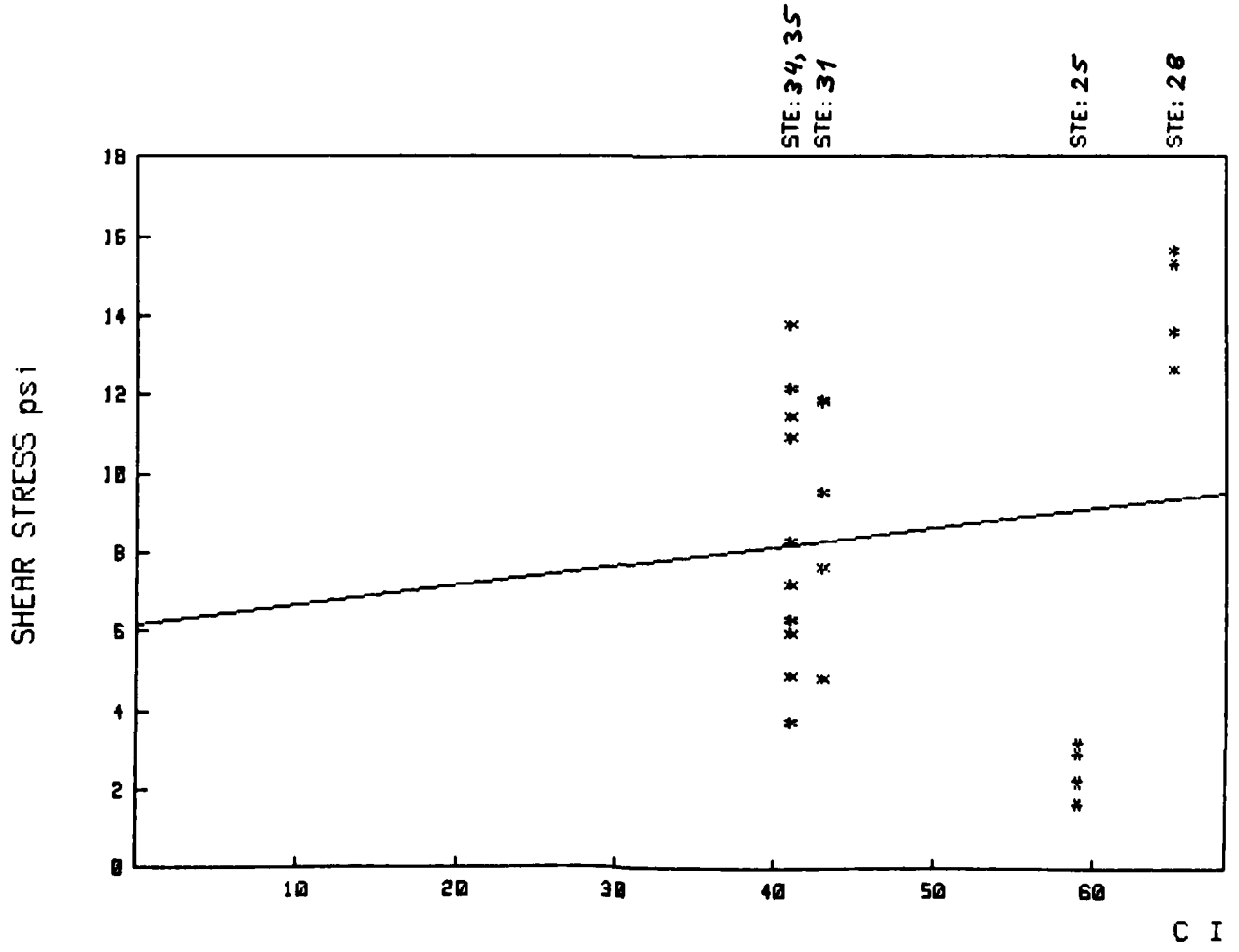


Fig.71 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 28 31 34 35

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: 10-20%

LINEAR REGRESSION: Y = a + b * X

a = -.02
b = 1.9382E-01

CORRELATION COEFFICIENT R = .3672

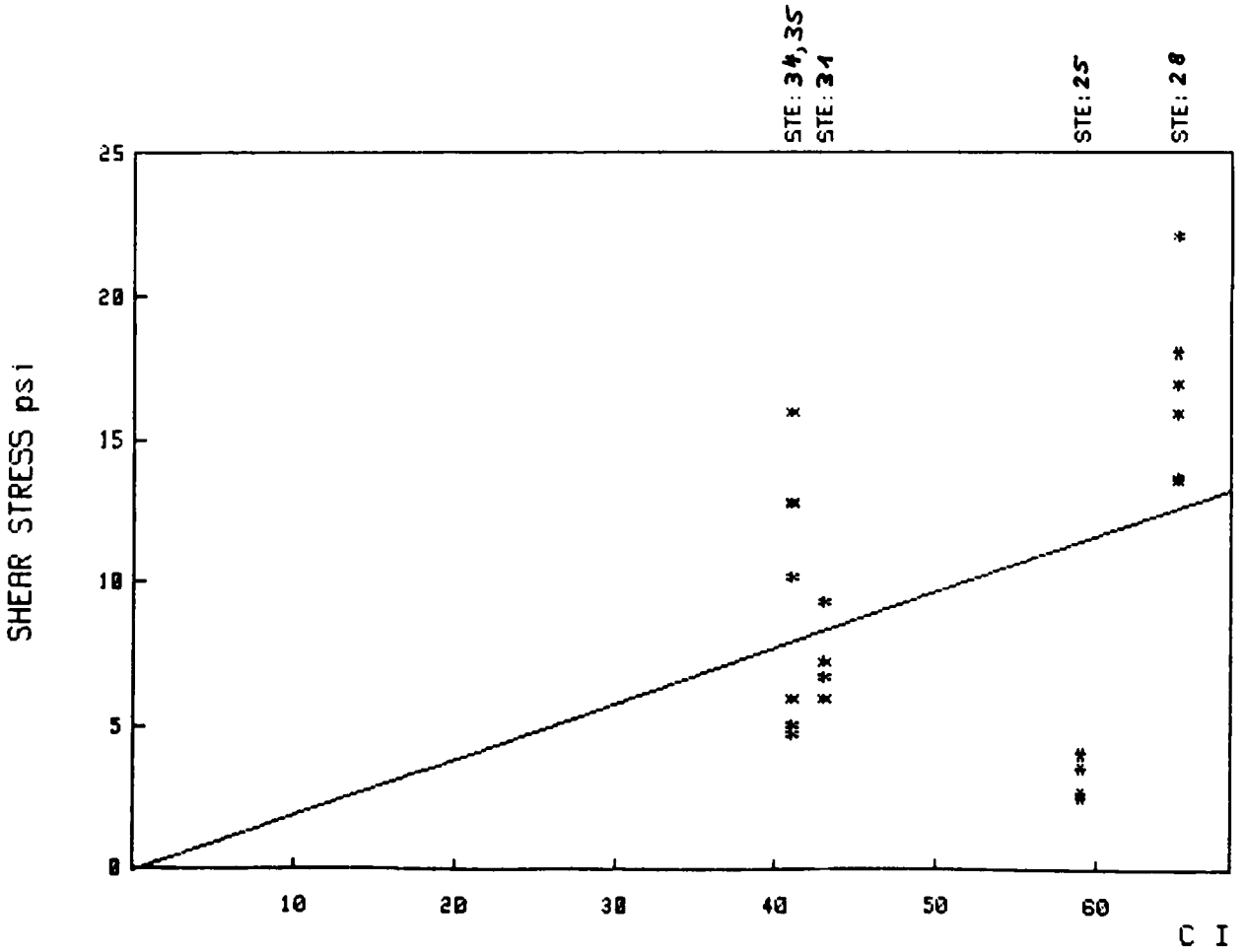


Fig.72 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: .5 psi,ORGAN. INGREDIENTS: > 20%

LINEAR REGRESSION: $Y = a + b * X$

$a = 1.32$
$b = 3.1725E-02$

CORRELATION COEFFICIENT $R = .6845$

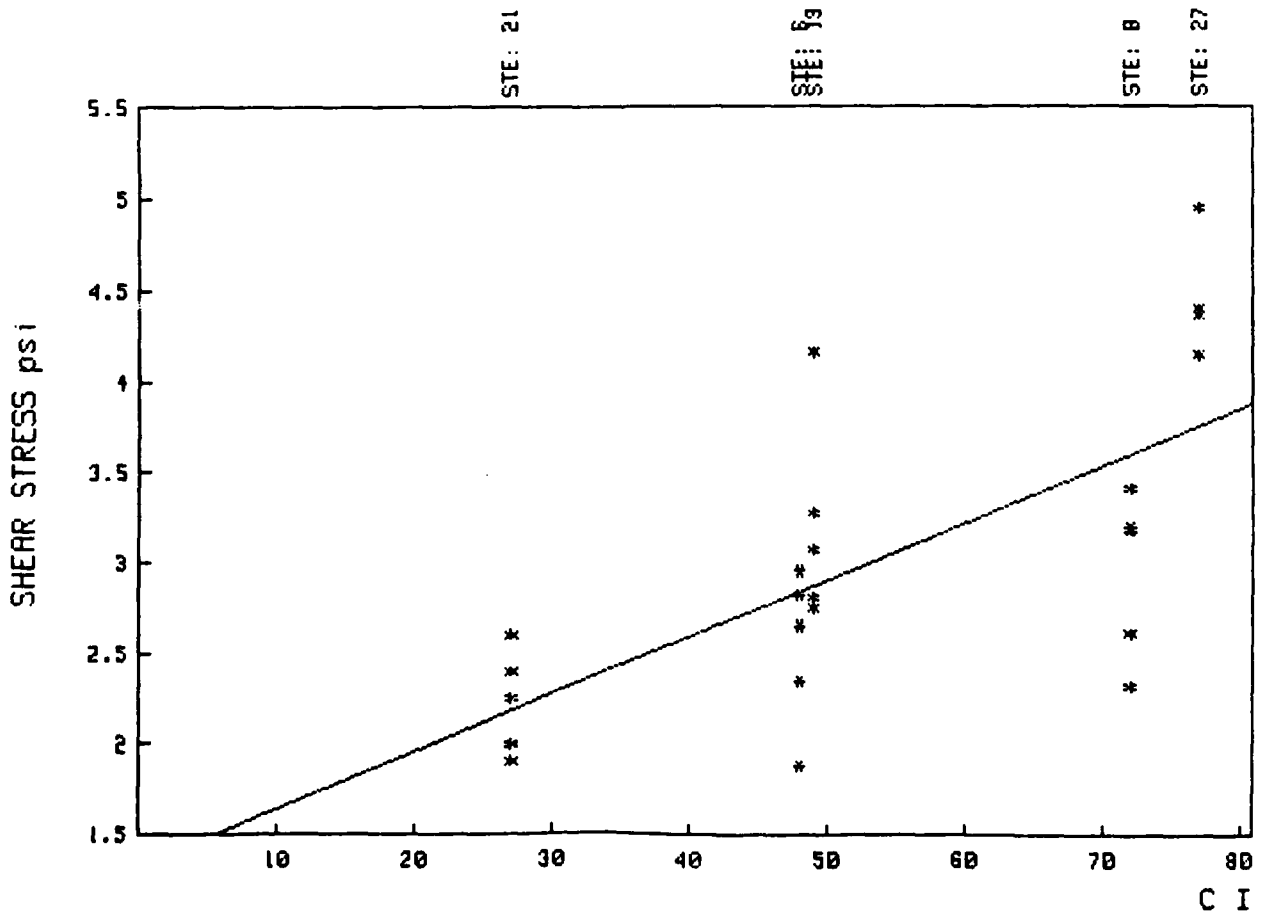


Fig.73 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 5.6 psi,ORGAN. INGREDIENTS: > 20%

LINEAR REGRESSION: Y = a + b * X

a = 3.70
b = 6.0682E-02

CORRELATION COEFFICIENT R = .5533

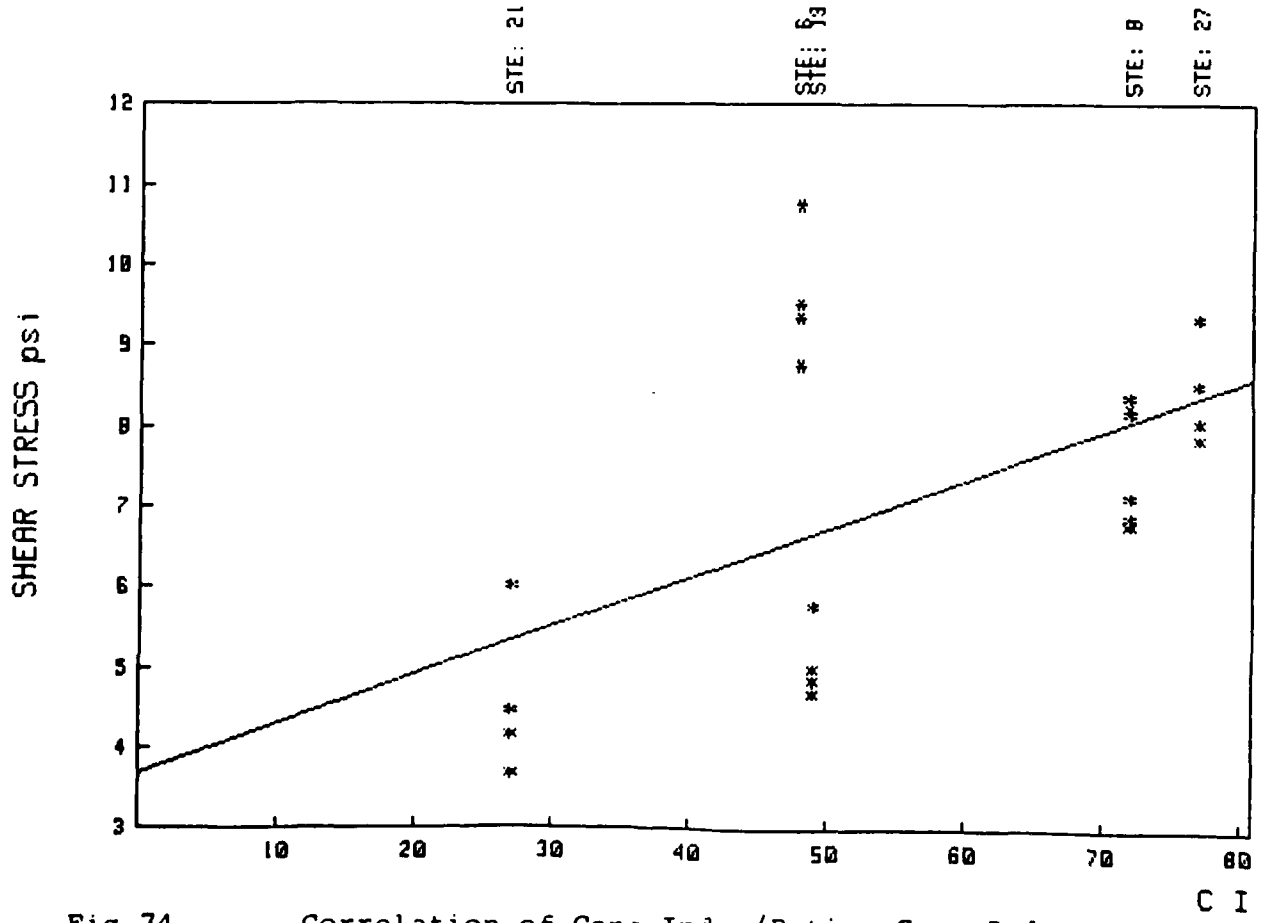


Fig.74 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

6 8 19 21 27

CORRELATION CONSTANTS :

SAMPLE DEPTH: 4 inch,NORMAL STRESS: 11.25 psi,ORGAN. INGREDIENTS: > 20%

LINEAR REGRESSION: Y = a + b * X

a = 6.23
b = 5.9602E-02

CORRELATION COEFFICIENT R = .4326

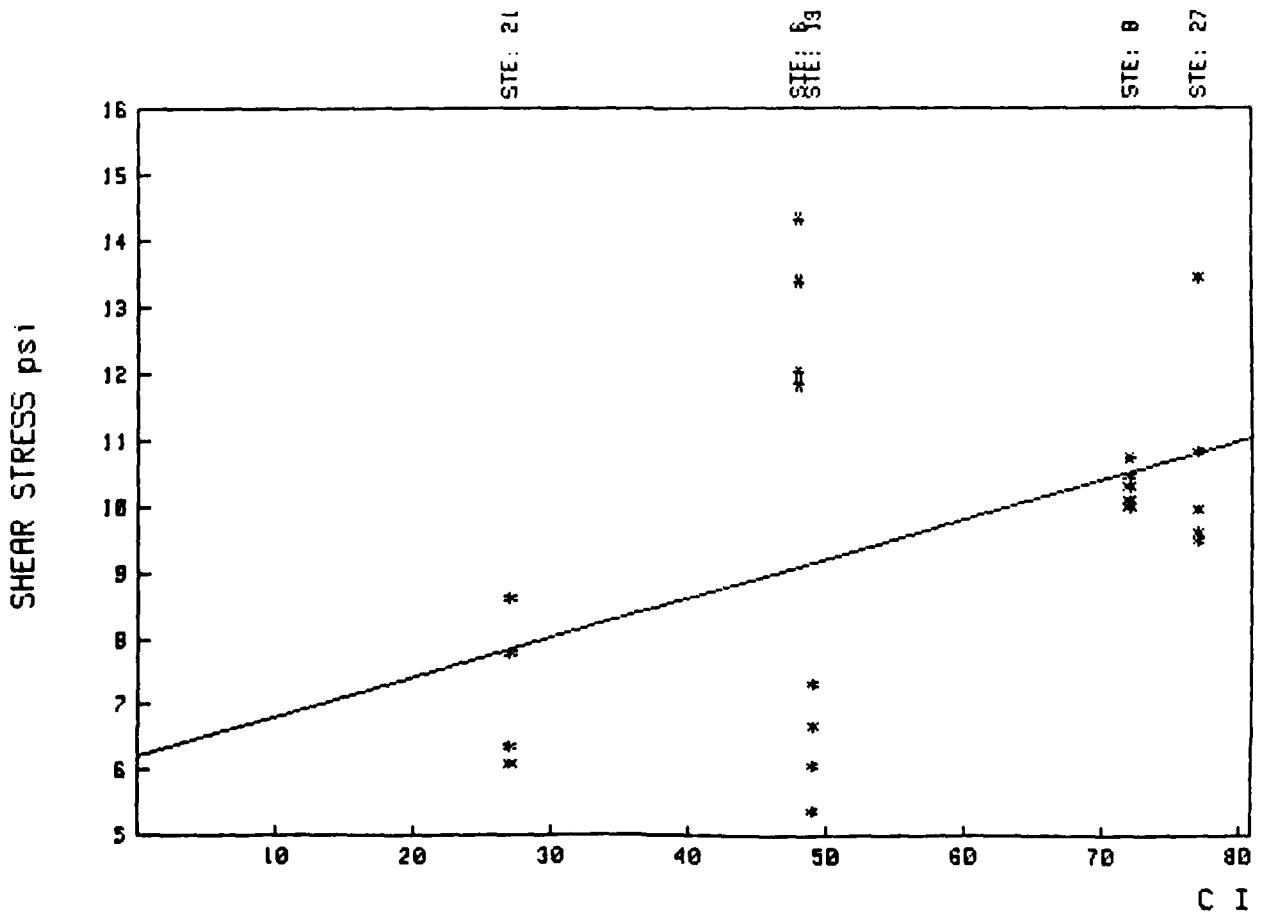


Fig.75 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Organic Ingredients = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: Y = a + b * X

a = 2.94
b = 4.3902E-02

CORRELATION COEFFICIENT R = .5085

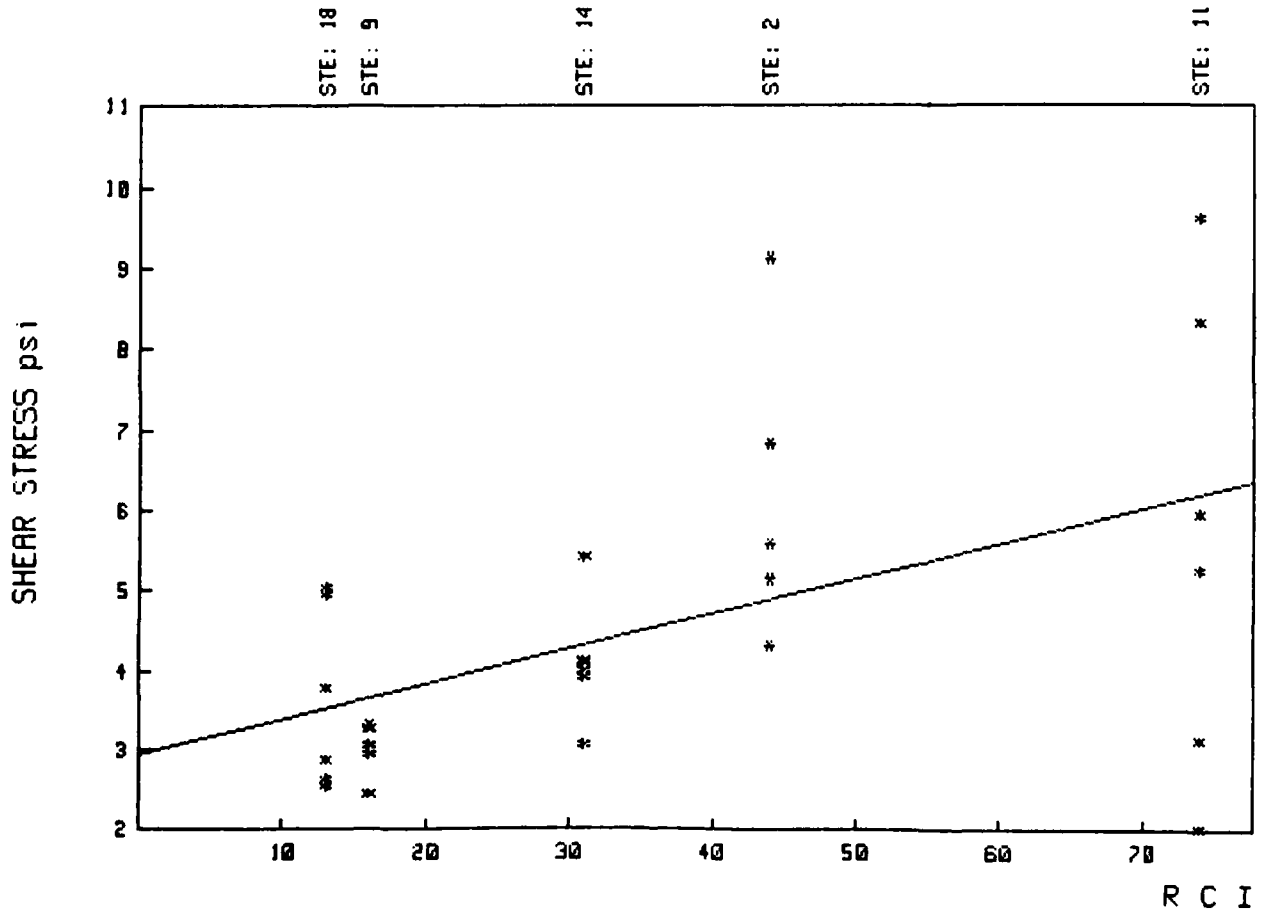


Fig.76 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: Y = a + b * X

a = 5.62
b = 1.1305E-01

CORRELATION COEFFICIENT R = .8188

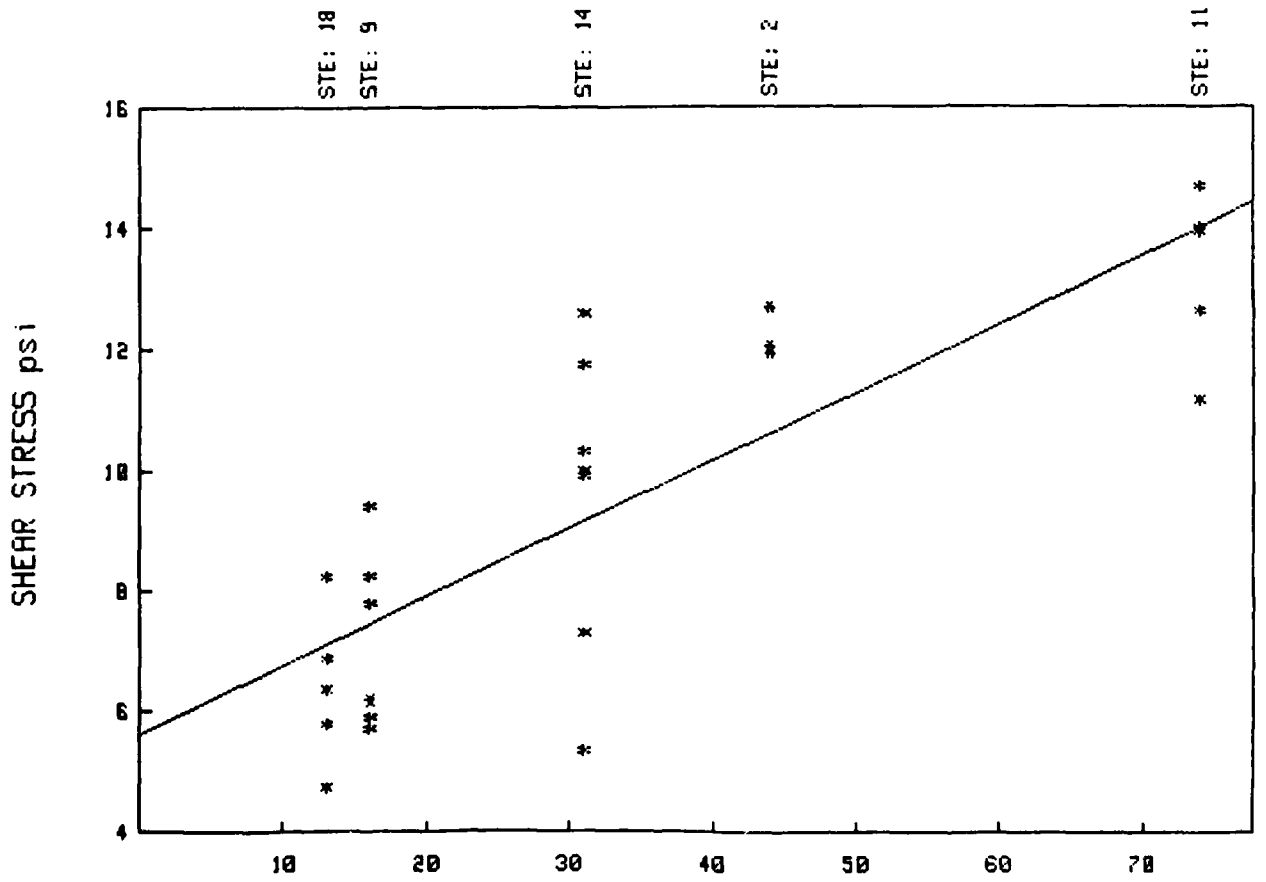
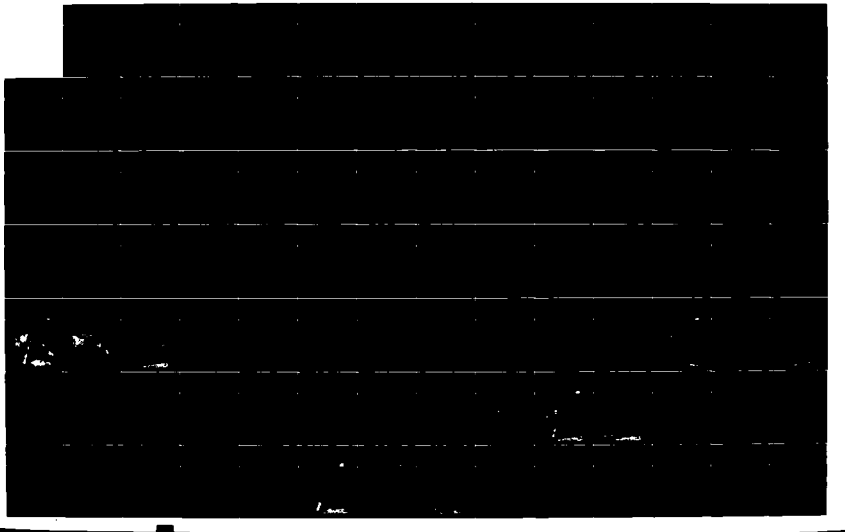
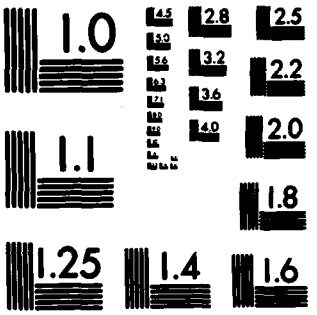


Fig.77 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

AD-A171 697 GENERICALLY BASED MOBILITY-TERRAIN DATA BASES(U) 2/3
BATTELLE-INSTITUT E V FRANKFURT AM MAIN (GERMANY F R)
P JESSL ET AL. MAR 86 BLEV-R-66.069-1 DAJA45-84-C-0039
UNCLASSIFIED F/G 8/6 NL





INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: $Y = a + b * X$

$a = 7.74$
$b = 1.2686E-01$

CORRELATION COEFFICIENT $R = .7363$

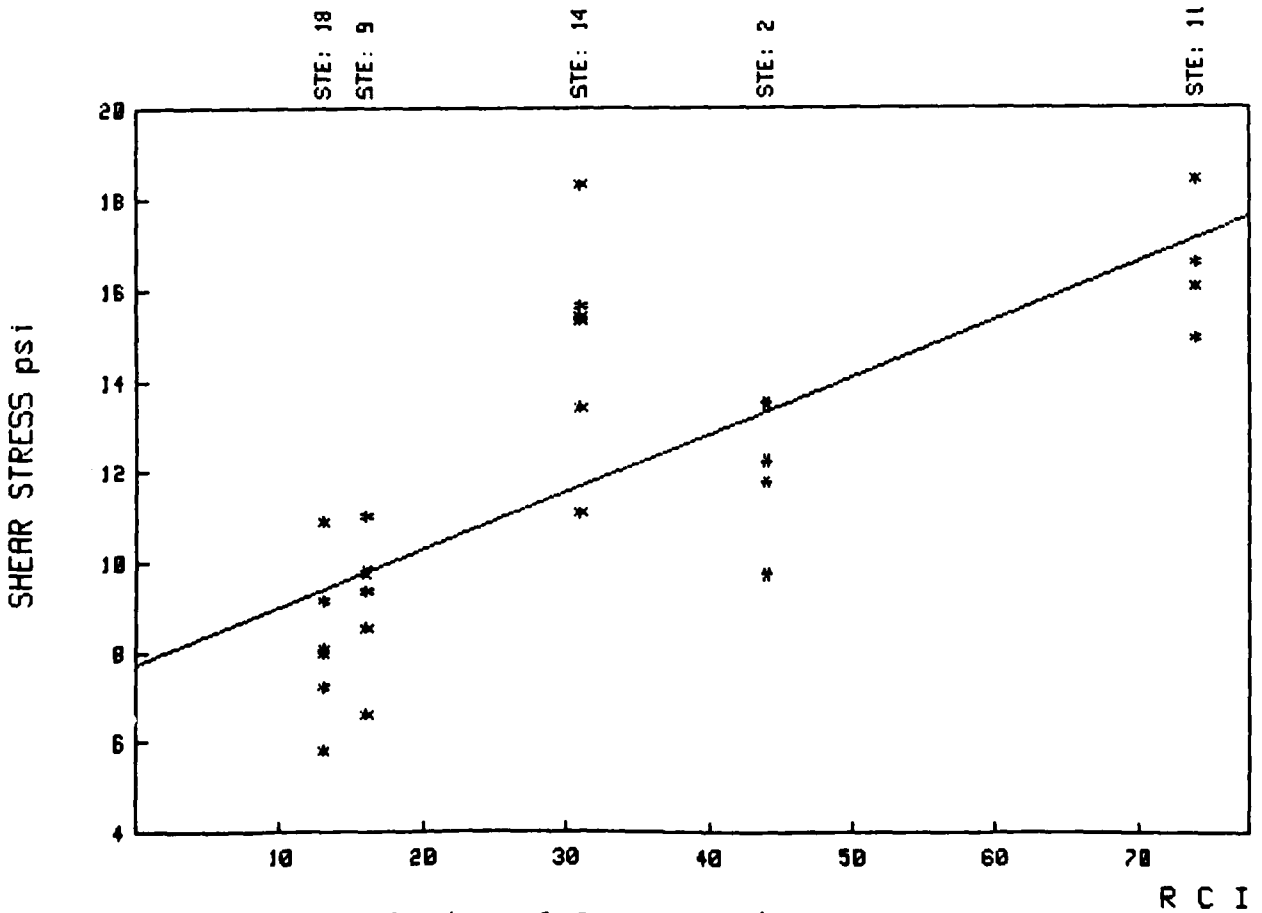


Fig.78 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: $Y = a + b * X$

a = .48
b = 9.5005E-02

CORRELATION COEFFICIENT R = .5154

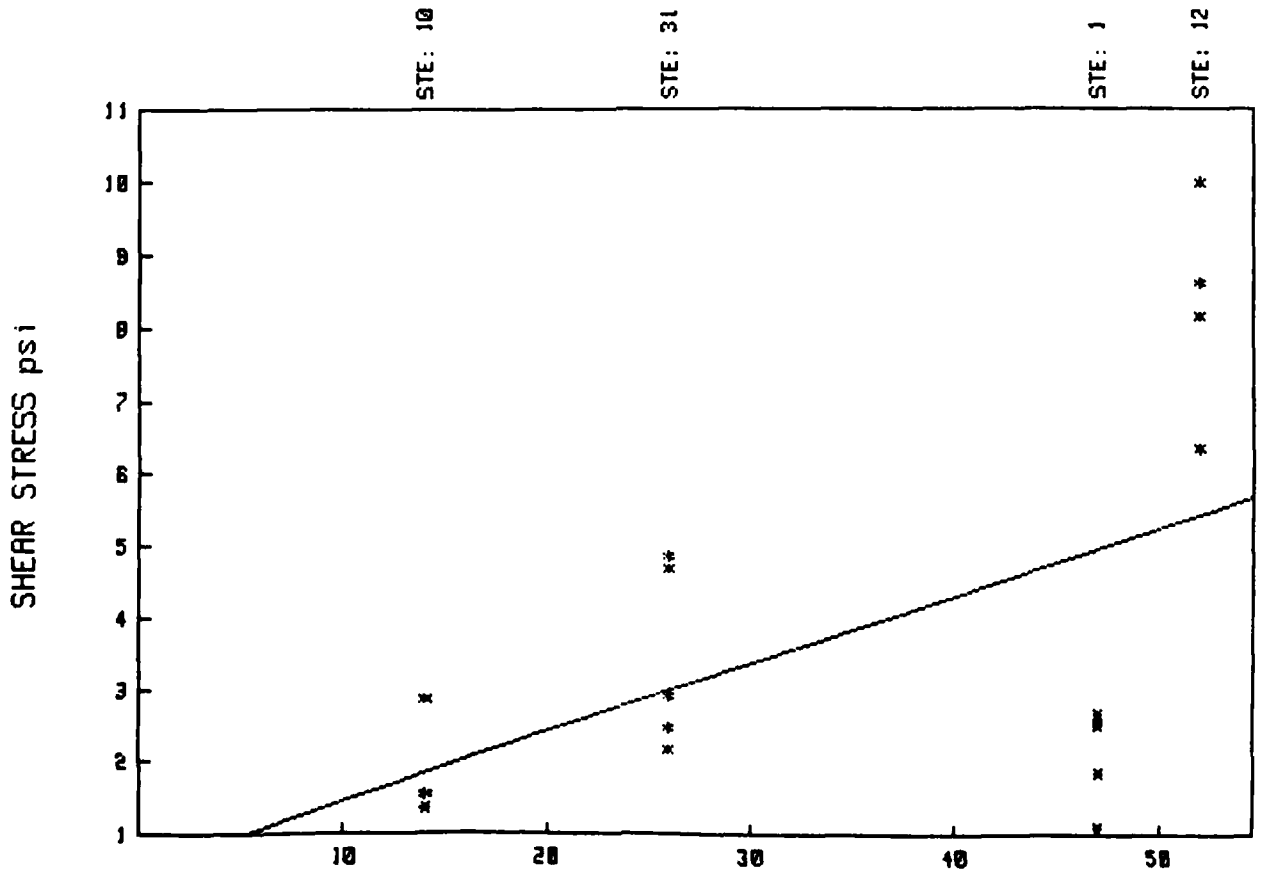


Fig.79 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: Y = a + b * X

a = .89
b = 2.4358E-01

CORRELATION COEFFICIENT R = .8372

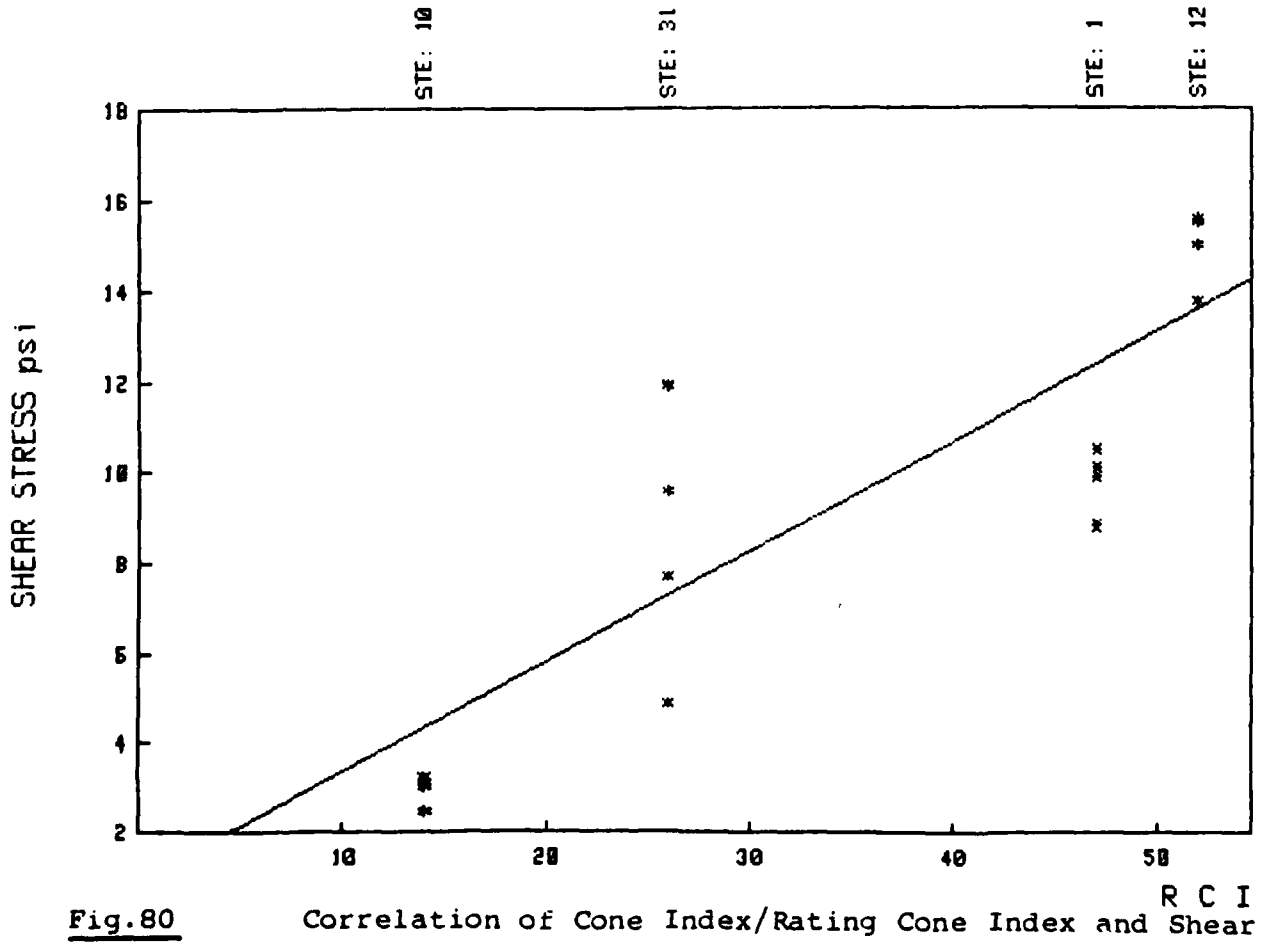


Fig.80 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: Y = a + b * X

a = -.73
b = 3.1357E-01

CORRELATION COEFFICIENT R = .9724

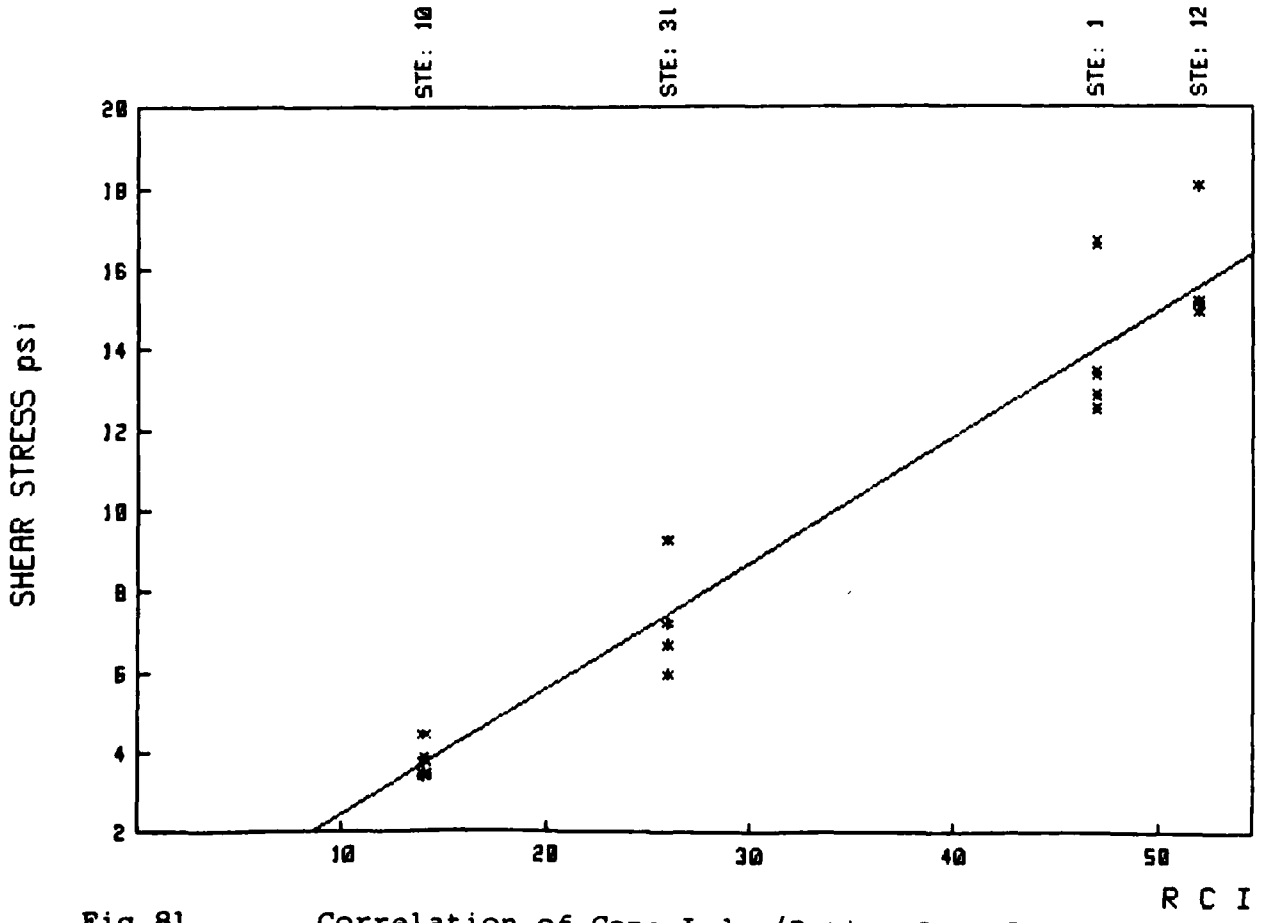


Fig.81 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = -16.00
b = 6.7023E-01

CORRELATION COEFFICIENT R = .7179

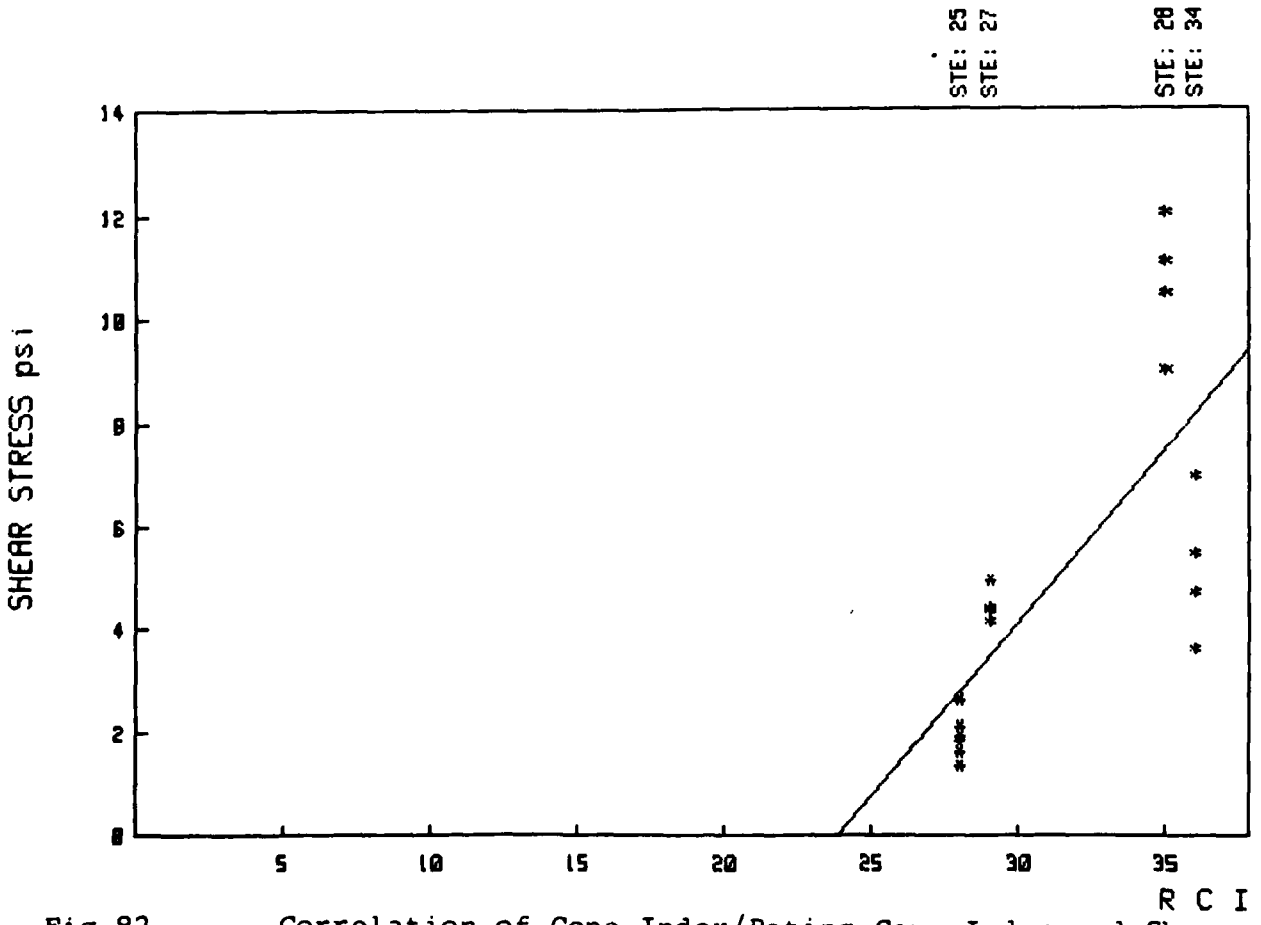


Fig.82 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = -26.42
b = 1.1176E+00

CORRELATION COEFFICIENT R = .8684

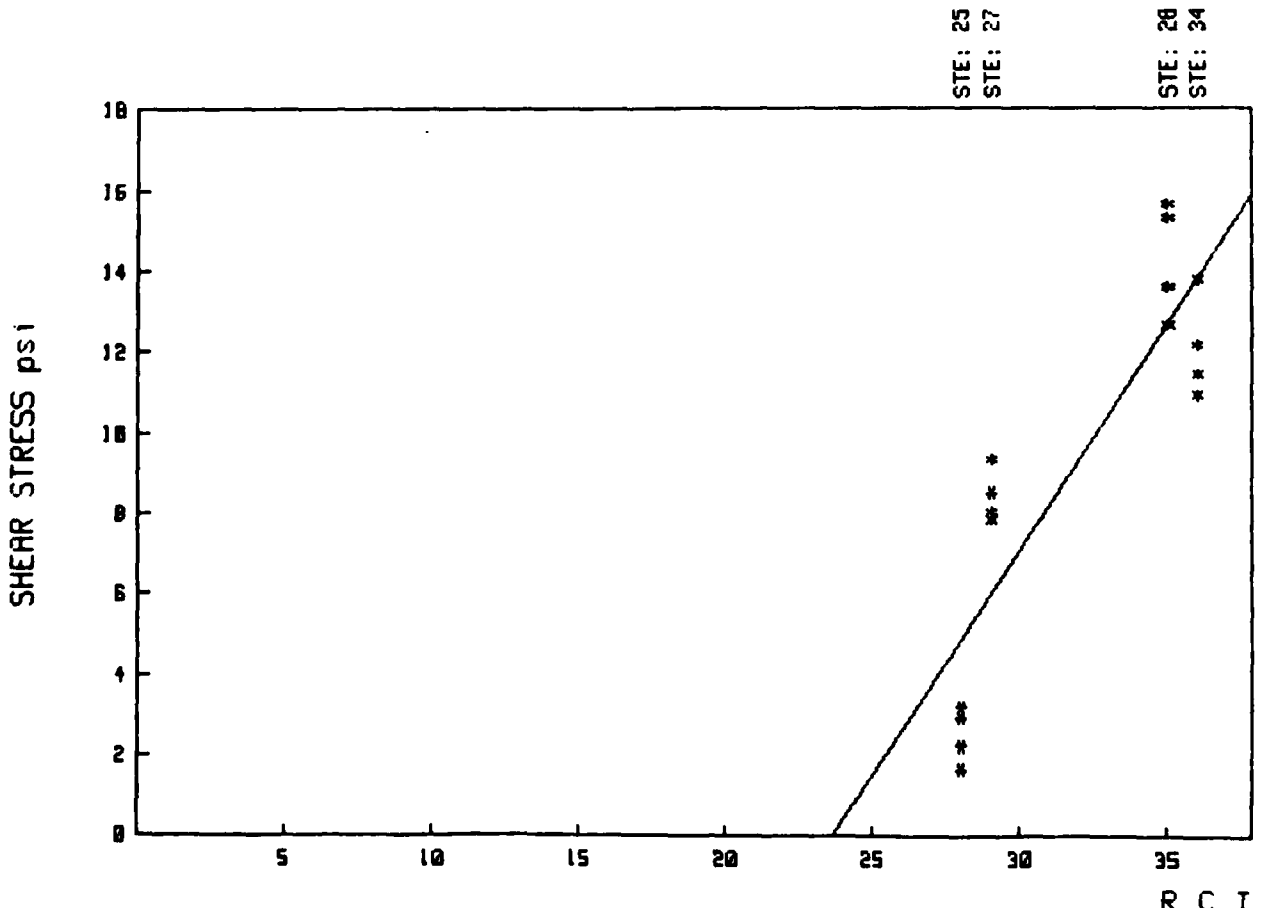


Fig.83 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = -28.86
b = 1.2655E+00

CORRELATION COEFFICIENT R = .7999

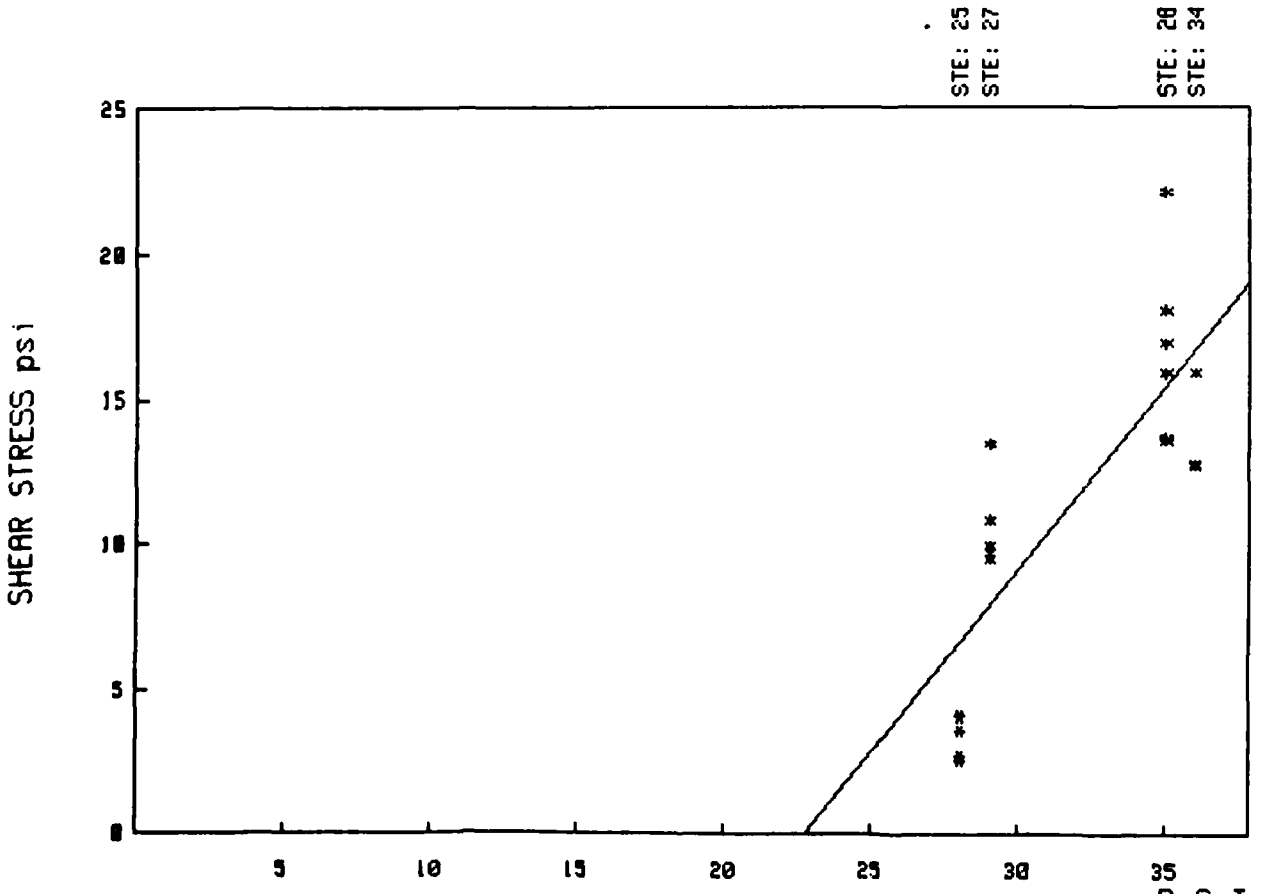


Fig.84 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: Y = a + b * X

a = 1.80
b = 4.8728E-02

CORRELATION COEFFICIENT R = .4823

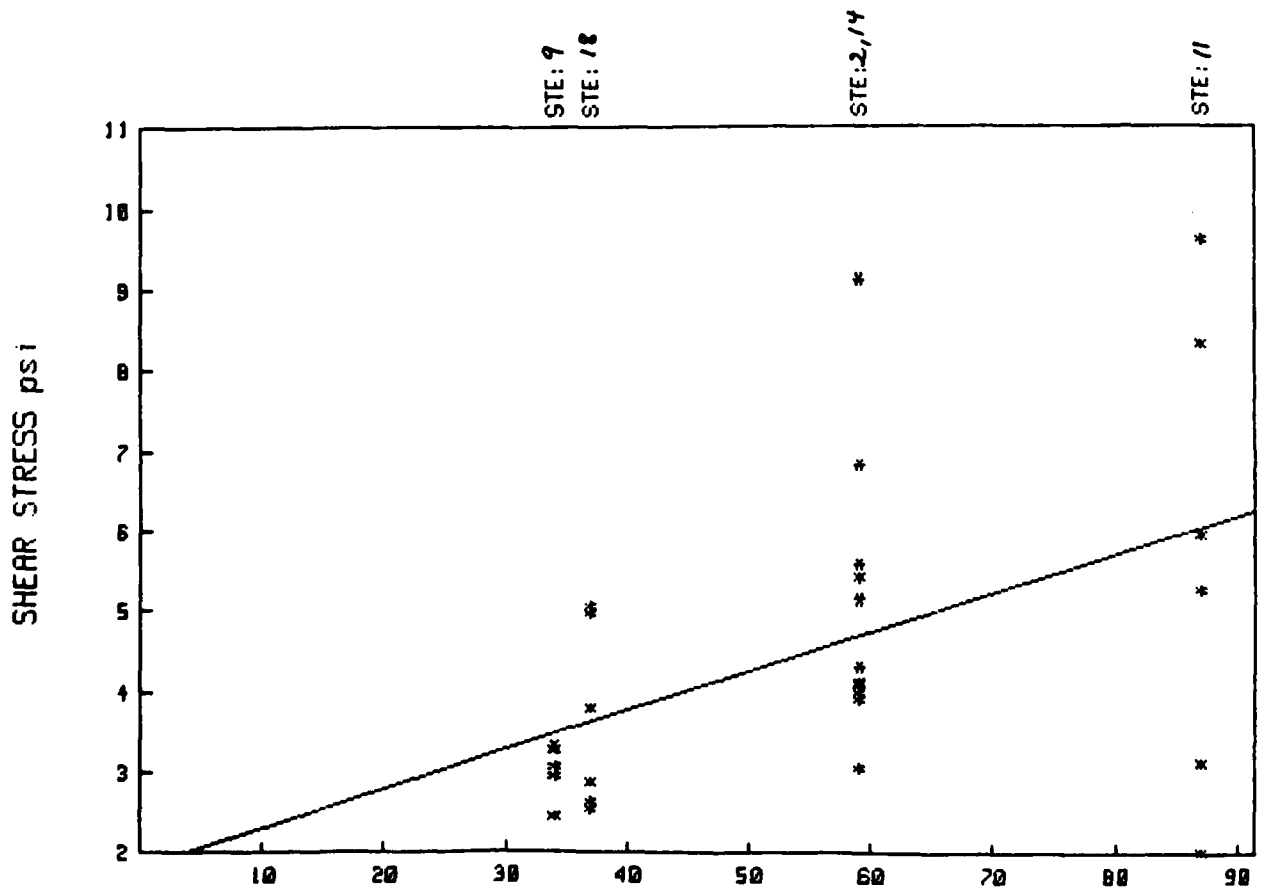


Fig.85 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: Y = a + b * X

a = 2.53
b = 1.2707E-01

CORRELATION COEFFICIENT R = .8035

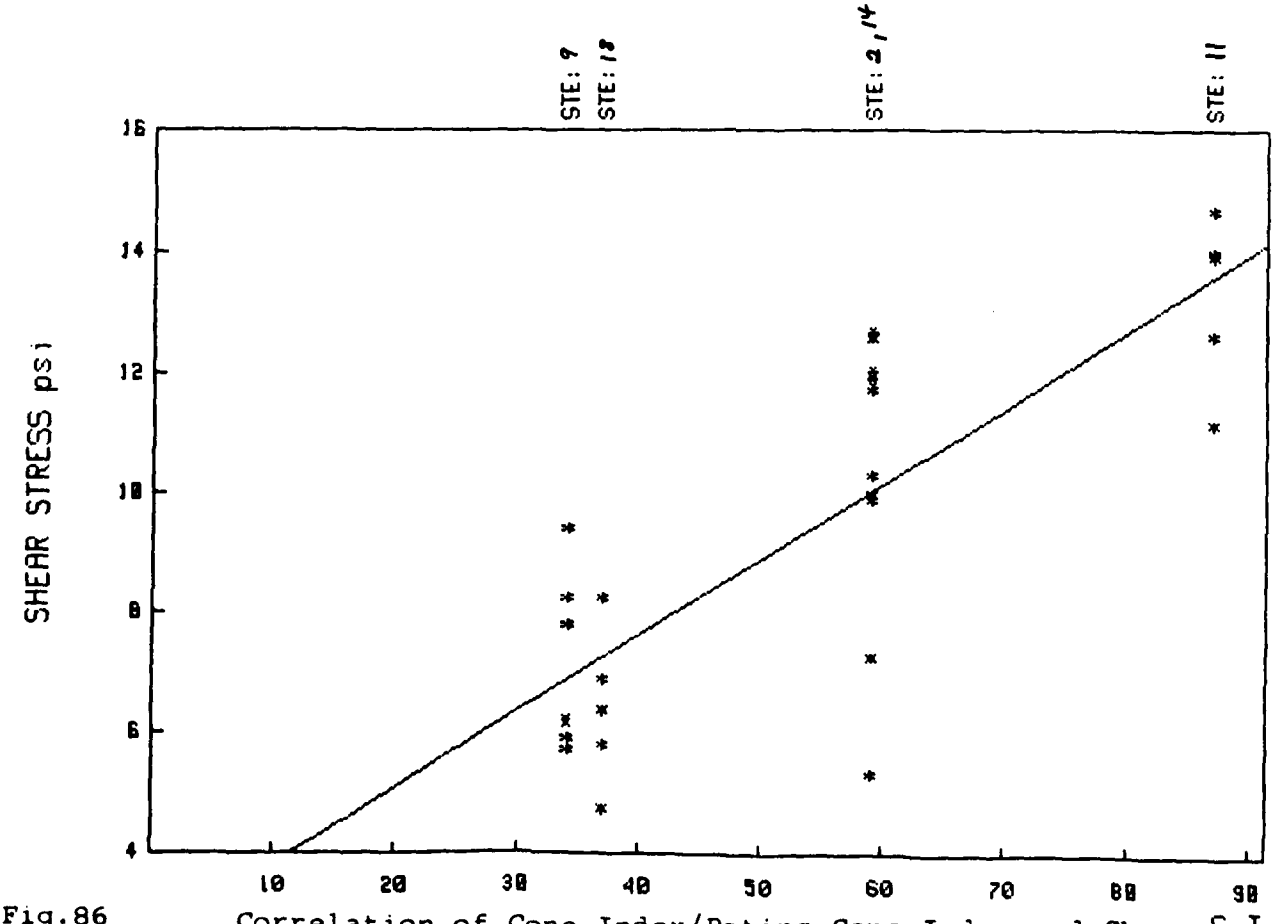


Fig.86 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

2 9 11 14 18

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY : 0 - 20 %

LINEAR REGRESSION: $Y = a + b * X$

$a = 3.20$
$b = 1.6357E-01$

CORRELATION COEFFICIENT $R = .8202$

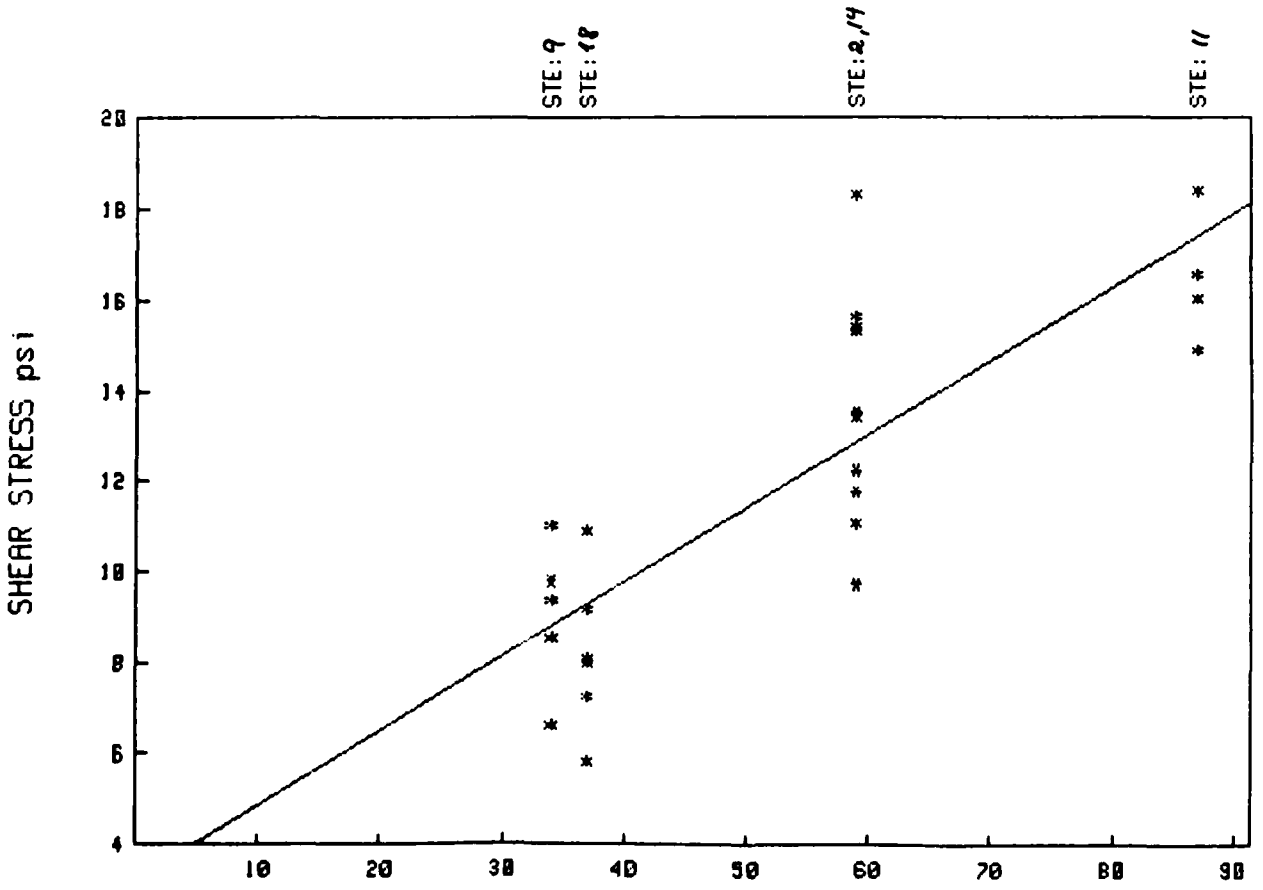


Fig.87 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: Y = a + b * X

a = -1.94
b = 1.0551E-01

CORRELATION COEFFICIENT R = .7721

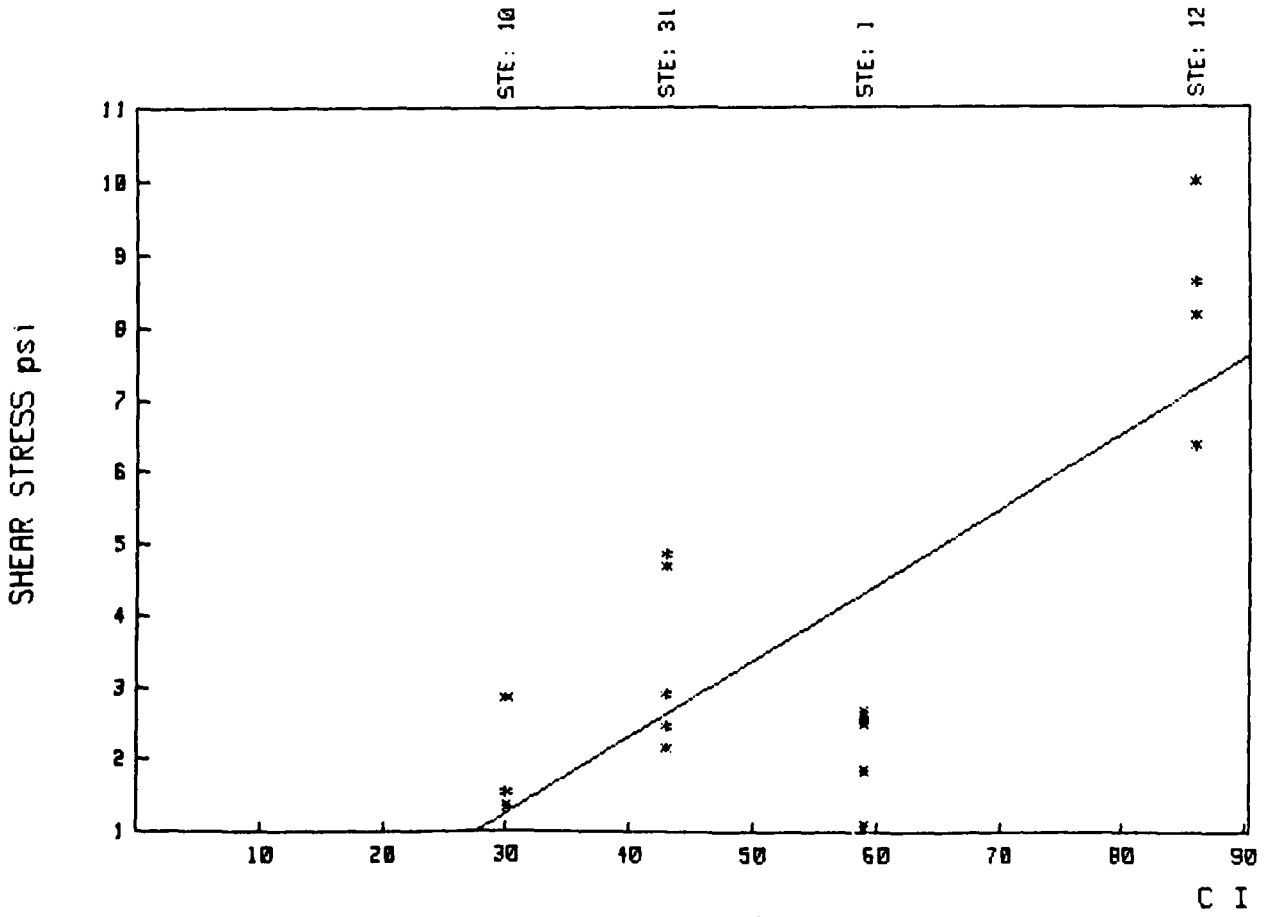


Fig.88 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: $Y = a + b * X$

$a = -.99$
$b = 1.9000E-01$

CORRELATION COEFFICIENT $R = .8824$

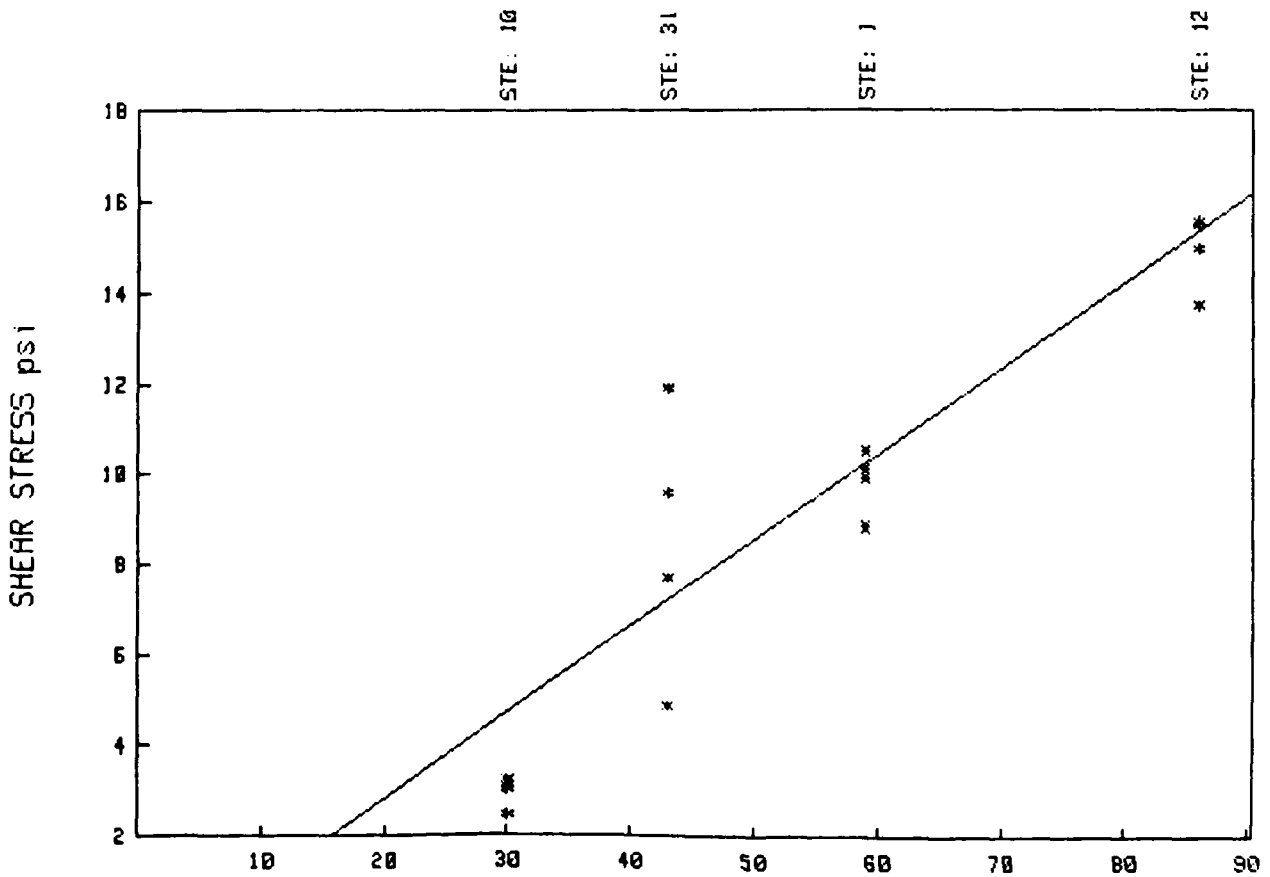


Fig.89 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

1 10 12 31

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY :20 - 50 %

LINEAR REGRESSION: Y = a + b * X

a = -2.05
b = 2.2597E-01

CORRELATION COEFFICIENT R = .9201

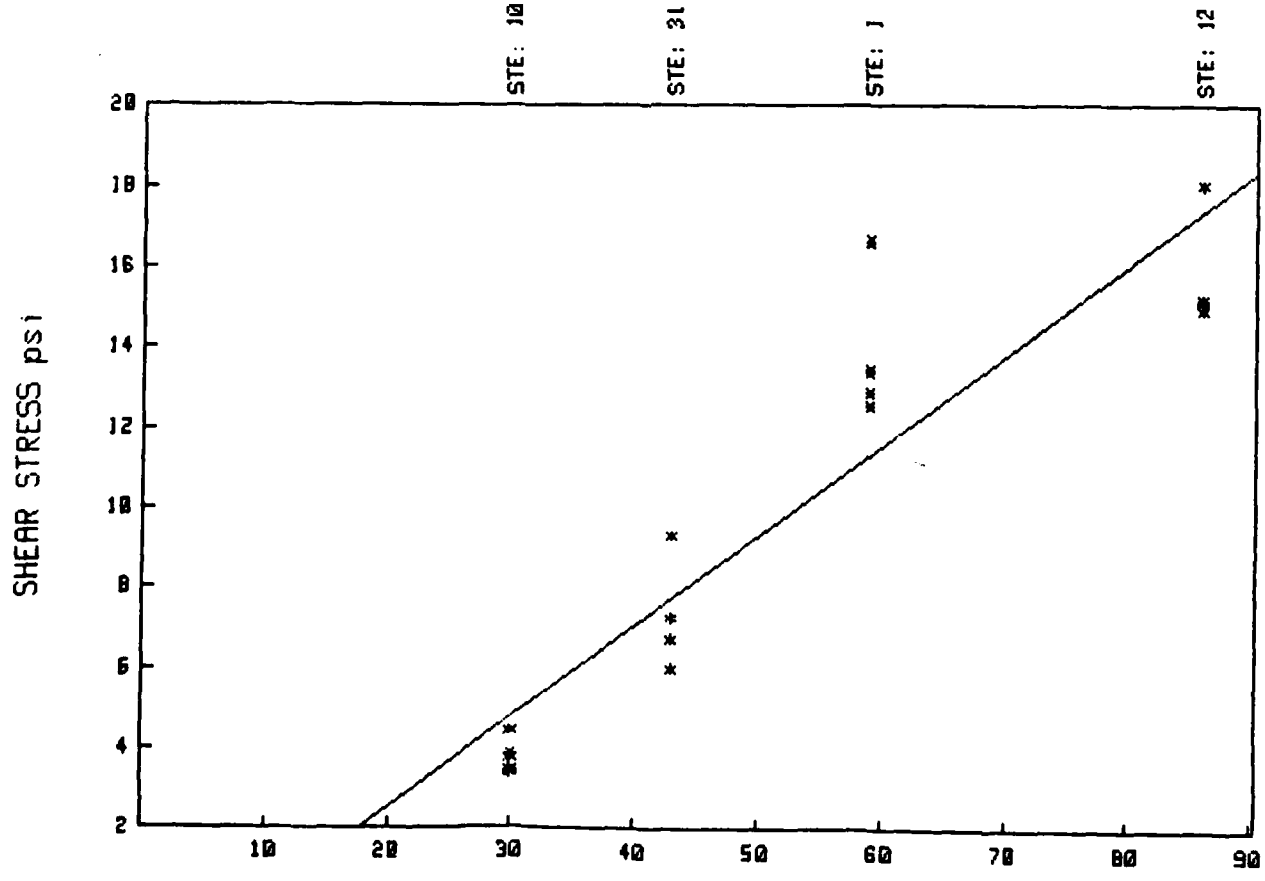


Fig.90 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : .5 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = 3.36
b = 2.9663E-02

CORRELATION COEFFICIENT R = .1093

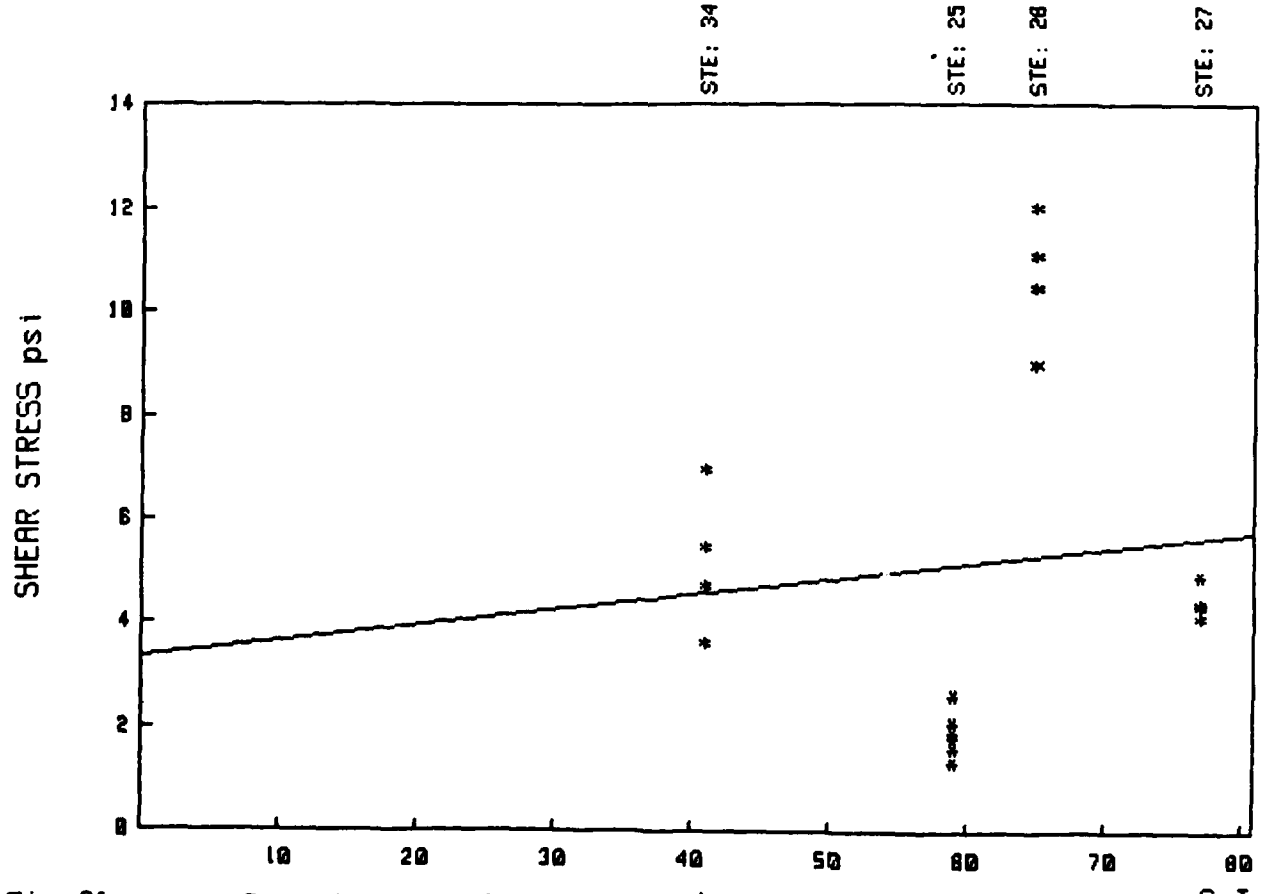


Fig.91 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 5.6 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = 12.58
b = -5.3480E-02

CORRELATION COEFFICIENT R = -.1527

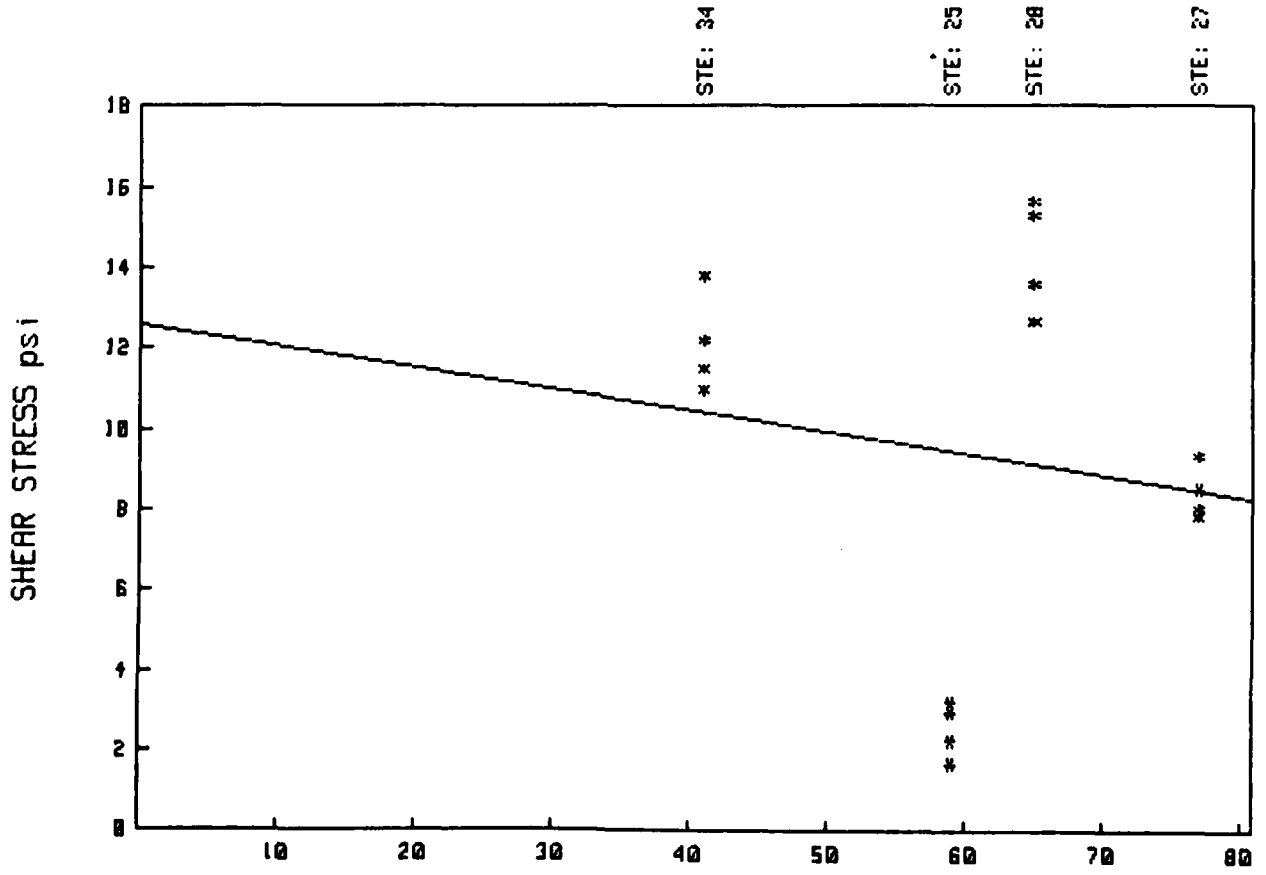


Fig.92 Correlation of Cone Index/Rating Cone Index and Shear C I Box Data for Plasticity = const.

INVESTIGATION OF CRITICAL SOIL PARAMETERS - MAI 1985 -

CORRELATION OF SOIL-DATA

SITE NO.:

25 27 28 34

CORRELATION CONSTANTS :

SAMPLE DEPTH : 4 inch,NORMAL STRESS : 11.25 psi,PLASTICITY : > 50 %

LINEAR REGRESSION: Y = a + b * X

a = 11.93
b = -5.9113E-03

CORRELATION COEFFICIENT R = -.0129

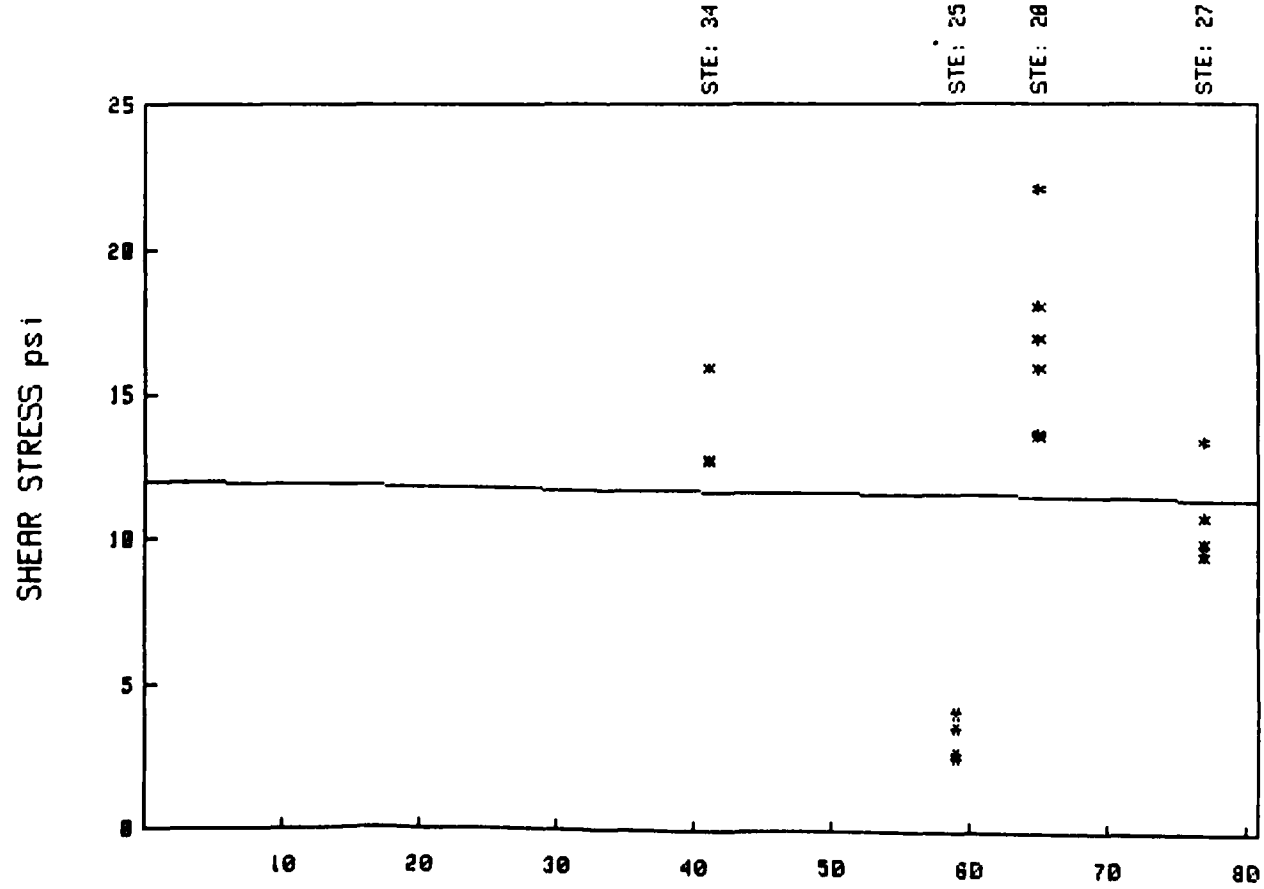
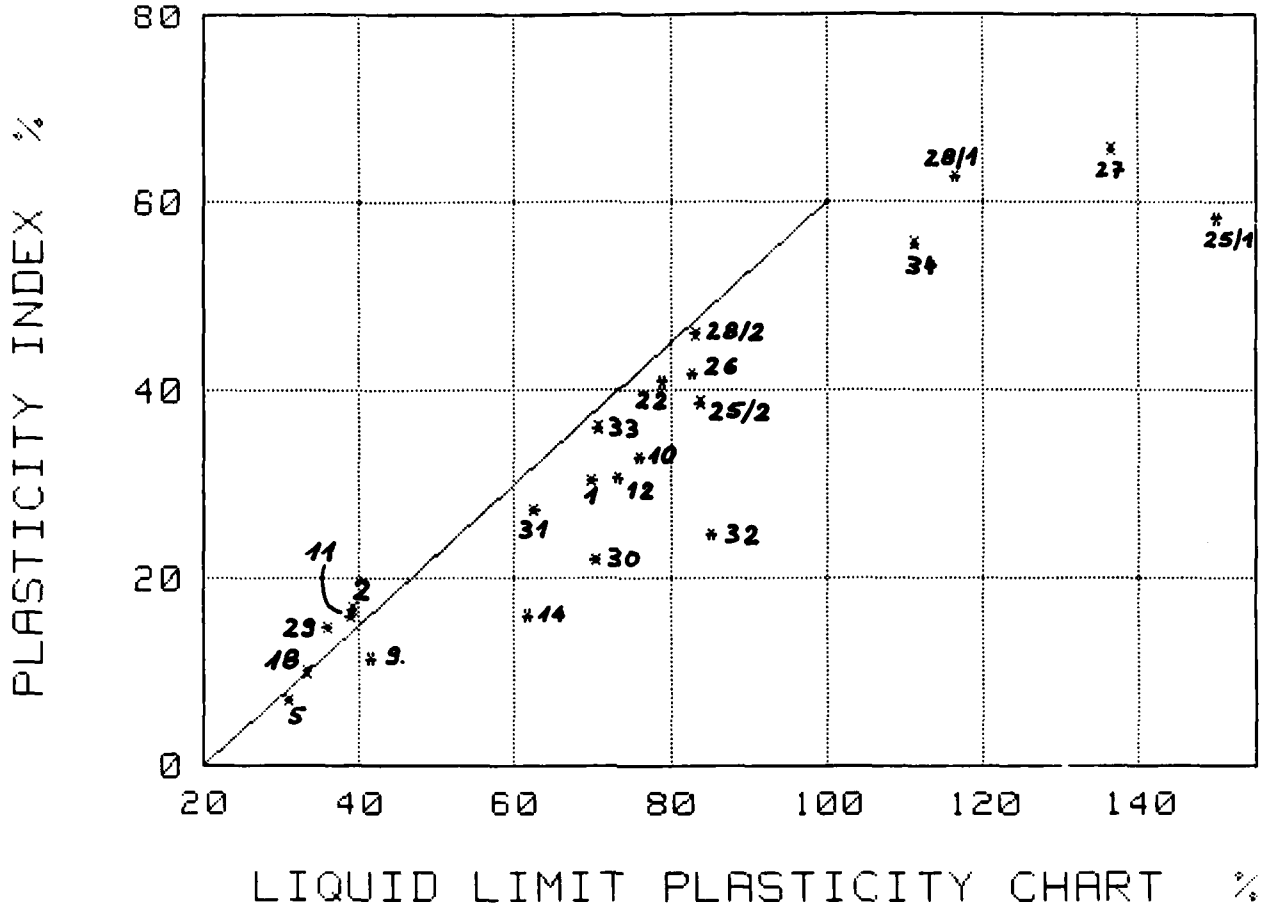
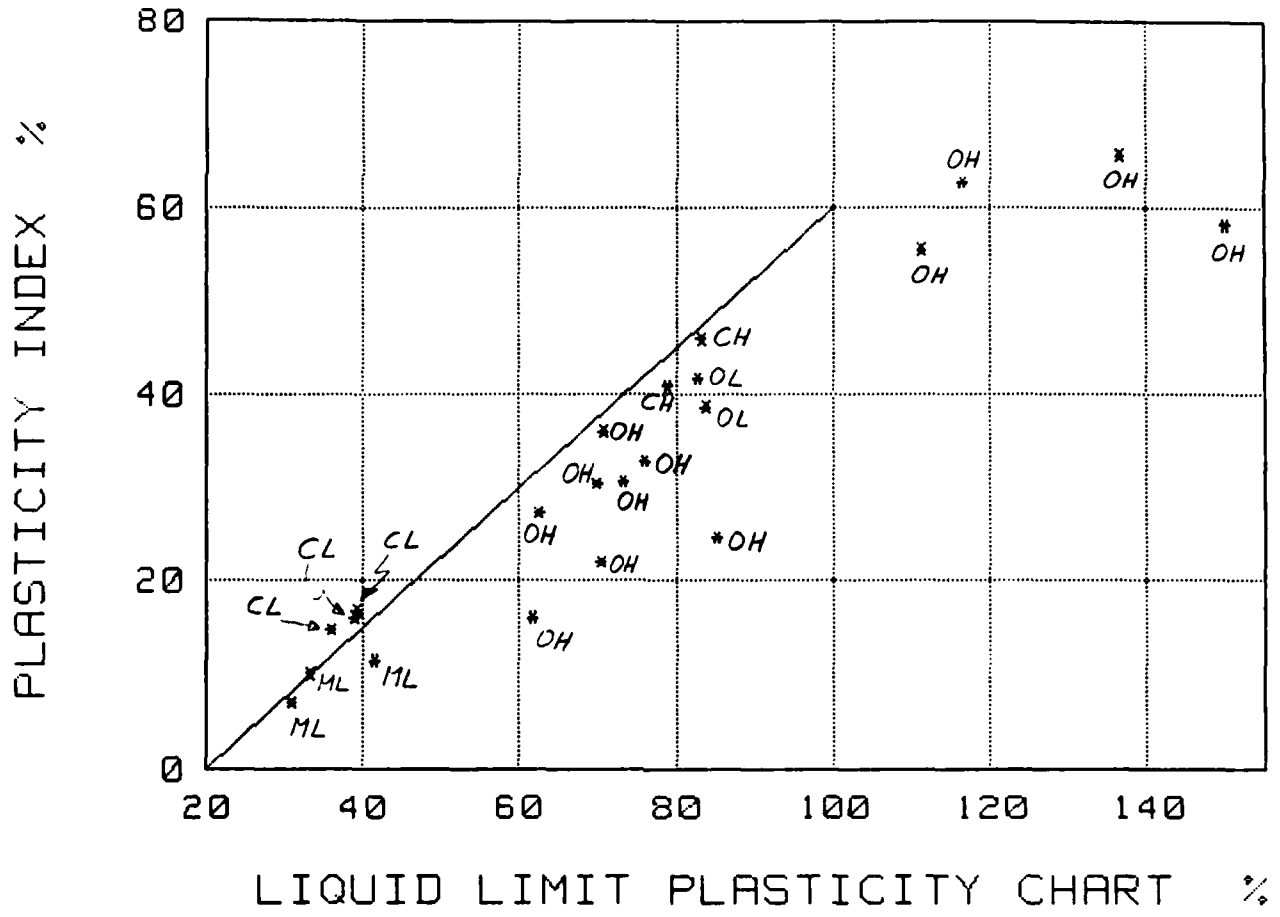


Fig.93 Correlation of Cone Index/Rating Cone Index and Shear Box Data for Plasticity = const.



SITE NO.	LIQUID LIM. %	PLAS. CH. %	PLASTICITY I. %
1	69.9		30.4
2	39.2		16.7
5	30.9		7.0
9	41.4		11.4
10	75.9		32.8
11	38.9		16.0
12	73.3		30.6
14	61.7		16.0
18	33.3		10.0
22	78.9		40.9
25/1	150.0		58.3
25/2	83.8		38.7
26	82.8		41.7
27	136.5		65.7
28/1	116.4		62.7
28/2	83.2		46.0
29	35.9		14.7
30	70.4		21.9
31	62.5		27.2
32	85.2		24.6
33	70.7		36.0
34	111.2		55.6

Fig. 94 Summary of Sites Investigated for Prediction vs. Measurement of Cone Index with Respect to Soils Plasticity (Site Numbers)



SITE NO.	LIQUID LIM. %	PLAS. CH. %	PLASTICITY I. %
1	69.9		30.4
2	39.2		16.7
5	30.9		7.0
9	41.4		11.4
10	75.9		32.8
11	38.9		16.0
12	73.3		30.6
14	61.7		16.0
18	33.3		10.0
22	78.9		40.9
25/1	150.0		58.3
25/2	83.8		38.7
26	82.8		41.7
27	136.5		65.7
28/1	116.4		62.7
28/2	83.2		46.0
29	35.9		14.7
30	70.4		21.9
31	62.5		27.2
32	85.2		24.6
33	70.7		36.0
34	111.2		55.6

Fig. 95 Summary of Sites Investigated for Prediction vs. Measurement of Cone Index with Respect to Soils Plasticity (Soil Types)

SITE NO.	QUAD NO.	GRID COORD.
1	L5916	6050/4170

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
.90	18.00	490.00	.0585

Z [in]	CI-meas.[psi]
0.00	24.00
1.00	50.00
2.00	50.00
3.00	56.00
4.00	64.00
5.00	75.00
6.00	96.00

Z = 4 in -> CI-pred. = 66 psi

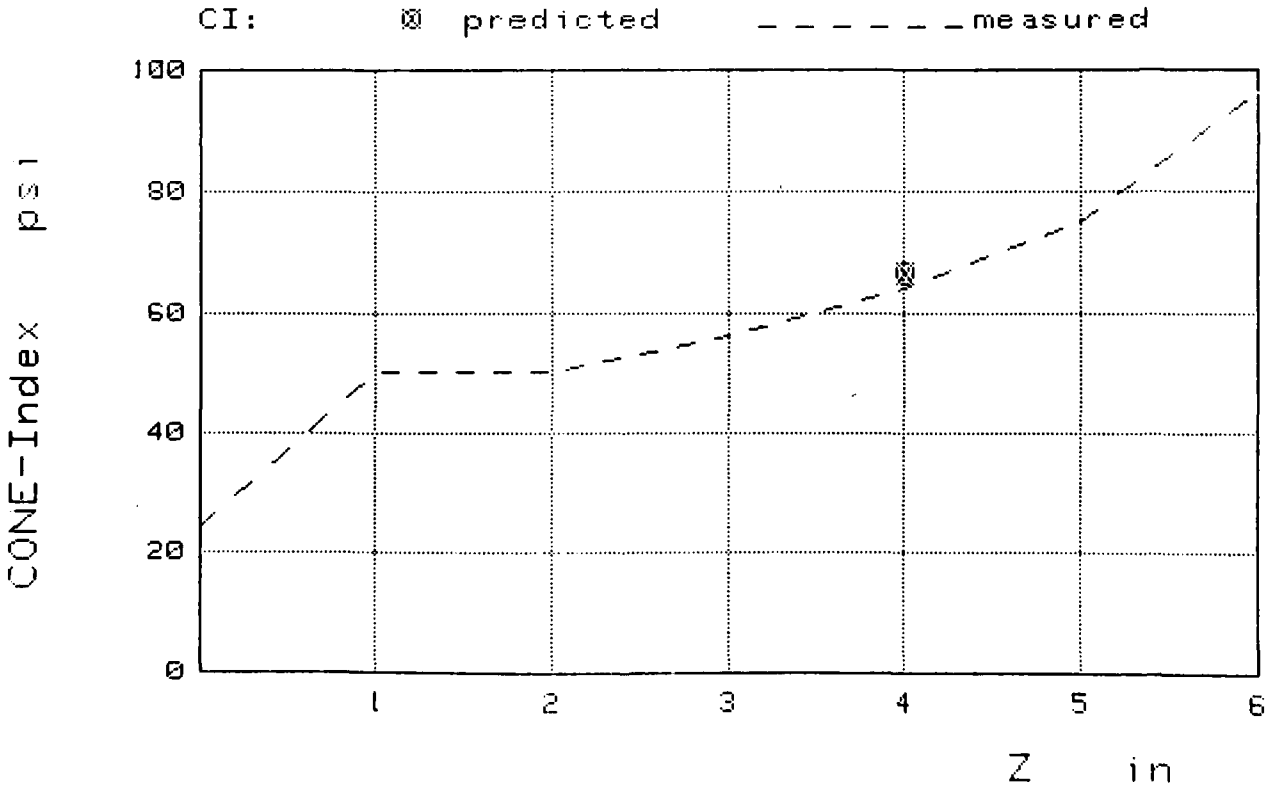


Fig.96 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
2	L5916	6001/4565

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
5.00	9.00	440.00	.0549

Z [in]	CI-meas.[psi]
0.00	7.00
1.00	47.00
2.00	66.00
3.00	71.00
4.00	72.00
5.00	74.00
6.00	78.00

Z = 4 in -> CI-pred. = 107 psi

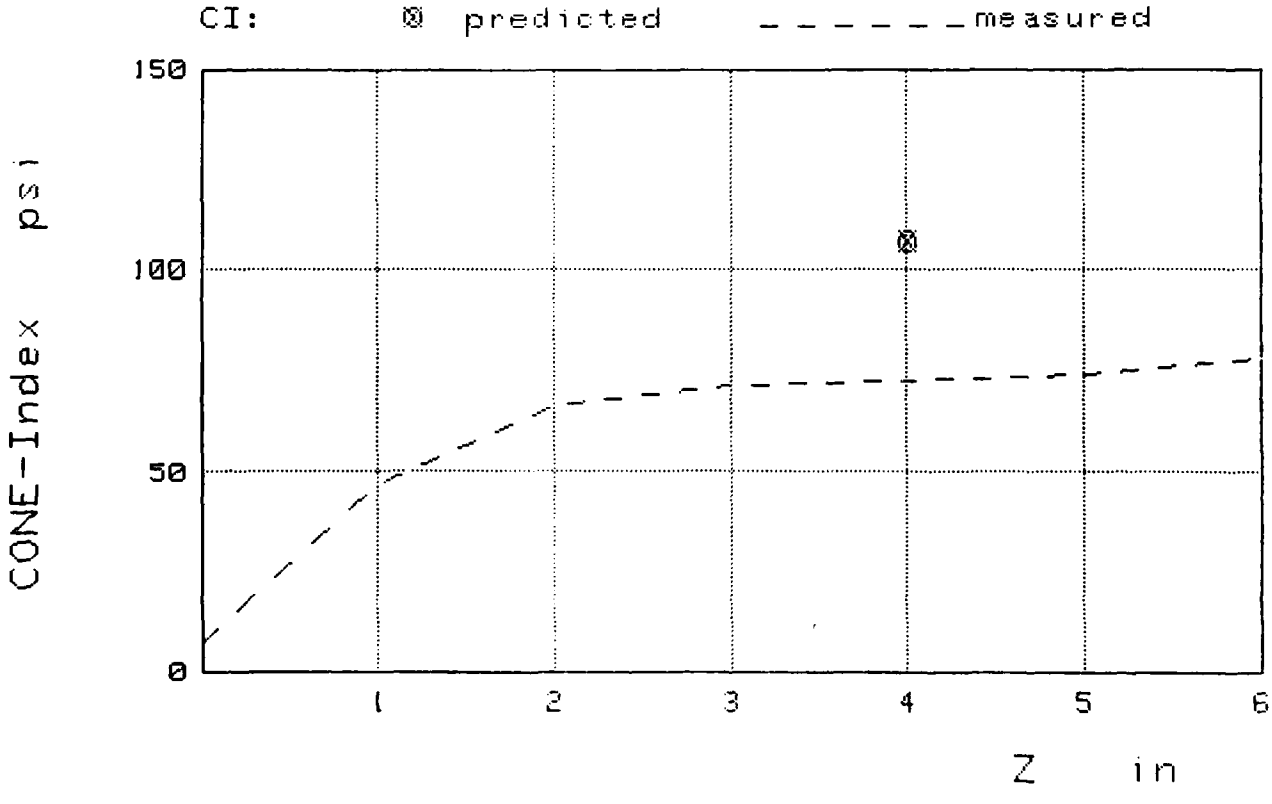


Fig.97 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
3	L5918	8340/4665

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
3.00	8.00	380.00	.0376

Z [in]	CI-meas.[psi]
0.00	15.00
1.00	30.00
2.00	44.00
3.00	59.00
4.00	66.00
5.00	68.00
6.00	74.00

Z = 4 in -> CI-pred. = 65 psi

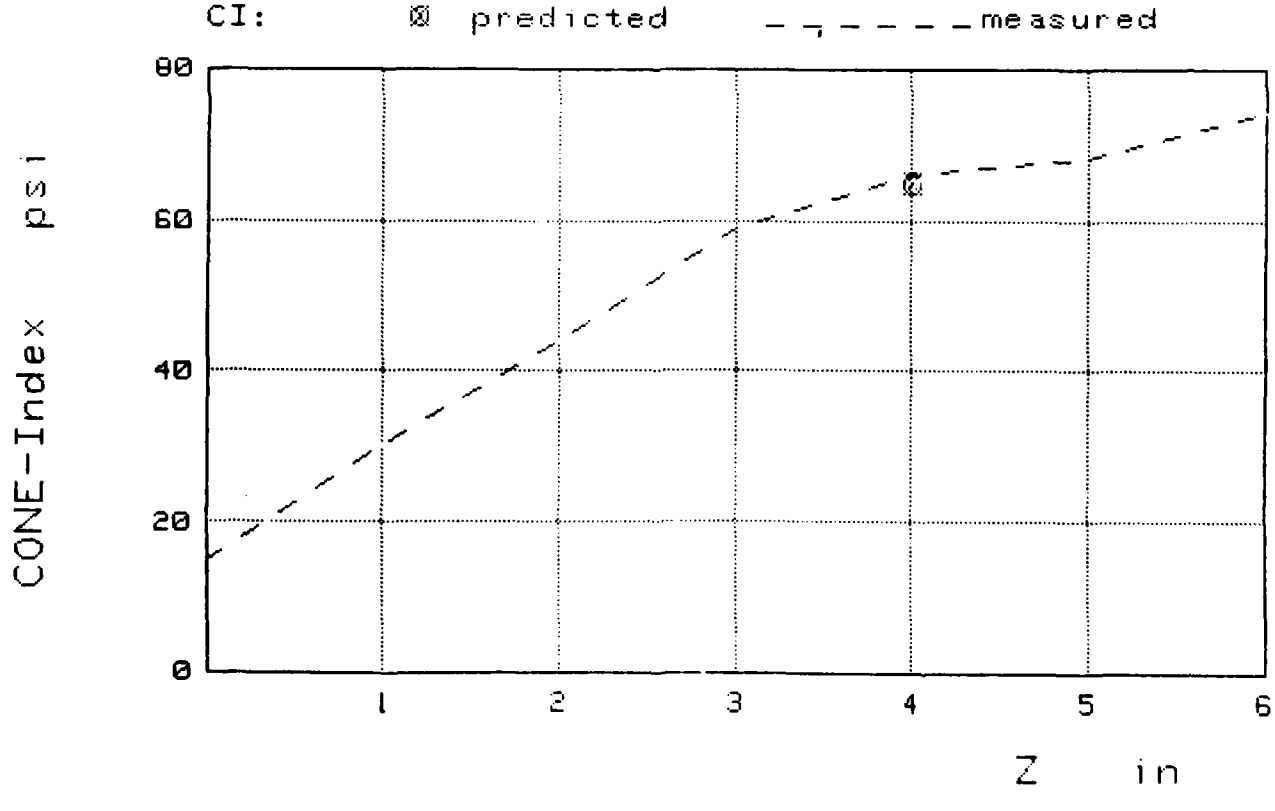


Fig.98 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
7	L3528	0600/2325

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
3.00	12.00	420.00	.0569

Z [in]	CI-meas.[psi]
0.00	20.00
1.00	37.00
2.00	43.00
3.00	47.00
4.00	58.00
5.00	70.00
6.00	82.00

Z = 4 in -> CI-pred. = 90 psi

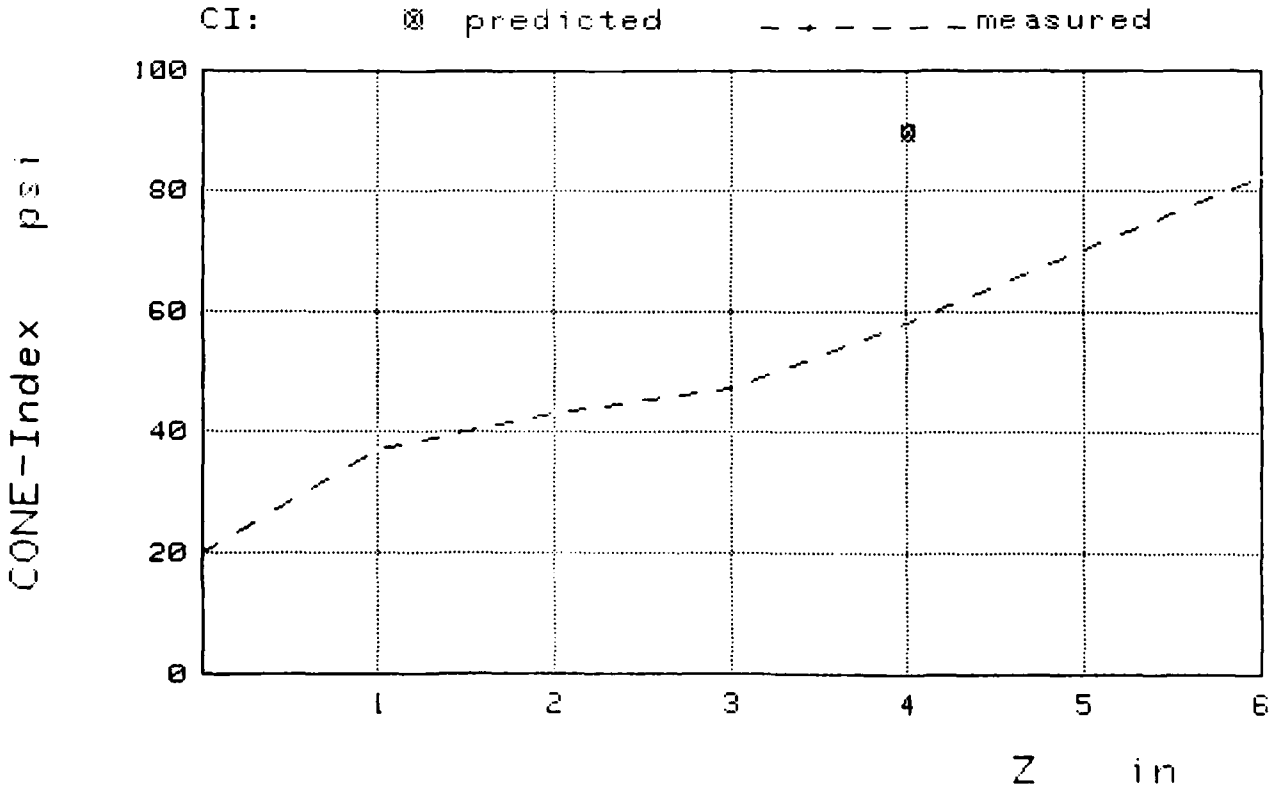


Fig.99 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
9	L3730	2720/8630

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
2.10	7.00	430.00	.0676

Z [in]	CI-meas.[psi]
0.00	7.00
1.00	22.00
2.00	35.00
3.00	37.00
4.00	43.00
5.00	42.00
6.00	50.00

Z = 4 in -> CI-pred. = 47 psi

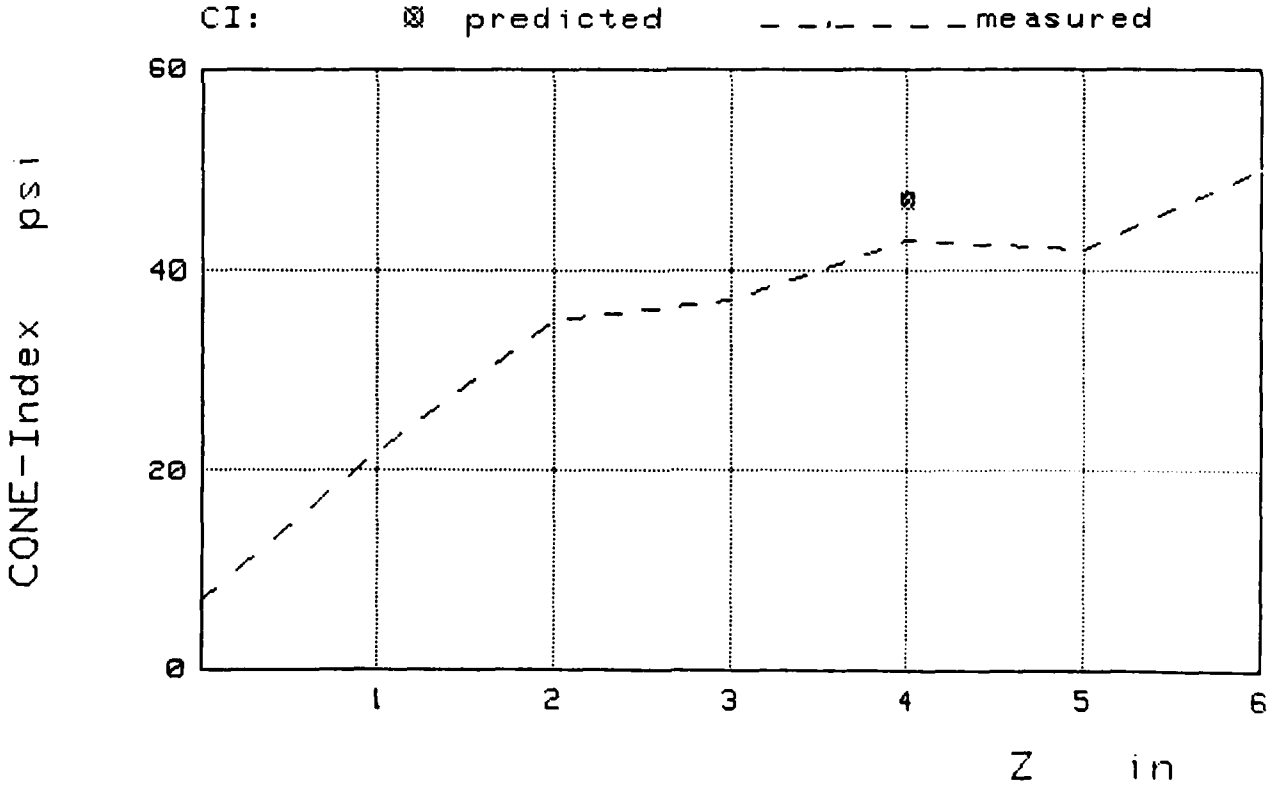


Fig.100 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
10	L3730	3050/8775

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
1.50	12.00	150.00	.0607

Z [in]	CI-meas.[psi]
0.00	4.00
1.00	15.00
2.00	22.00
3.00	34.00
4.00	44.00
5.00	43.00
6.00	49.00

Z = 4 in -> CI-pred. = 42 psi

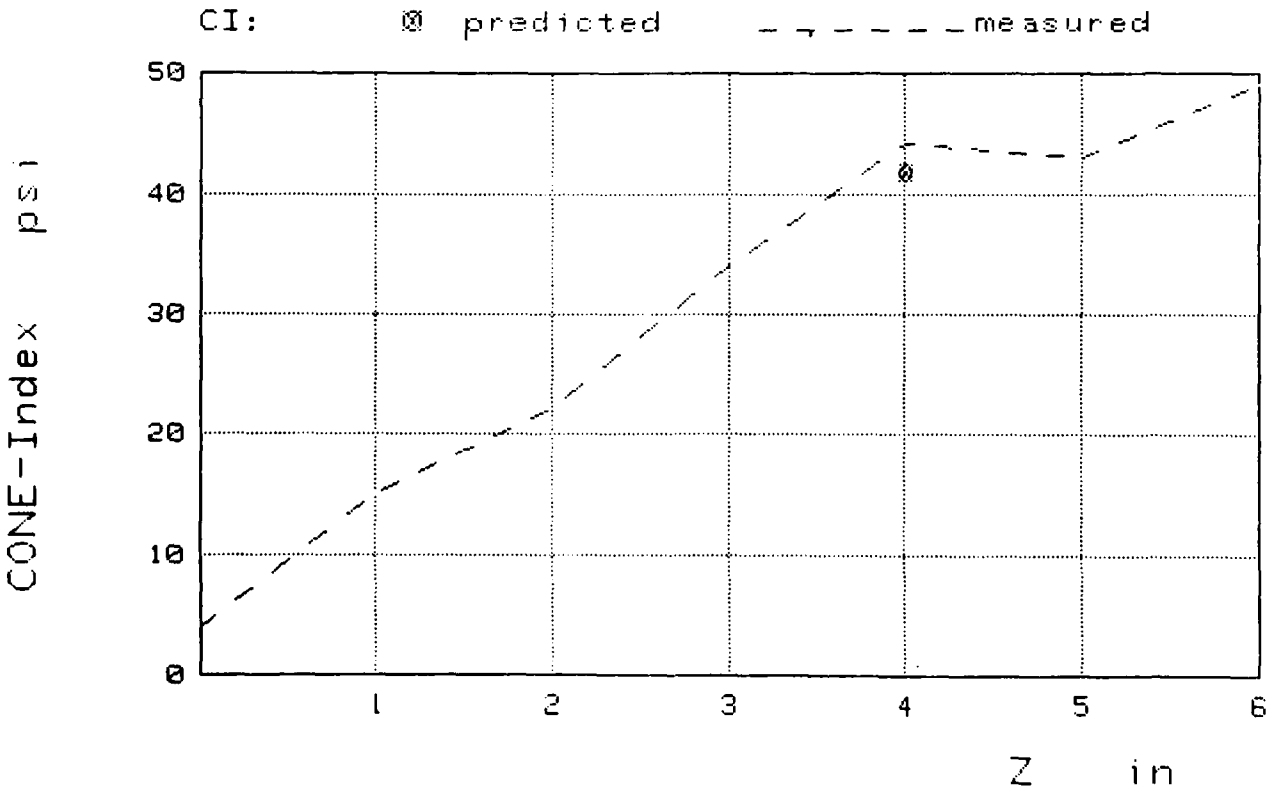


Fig.101 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
11	L4724	6630/7525

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
6.00	8.00	600.00	.0531

Z [in]	CI-meas.[psi]
0.00	10.00
1.00	65.00
2.00	104.00
3.00	113.00
4.00	112.00
5.00	104.00
6.00	99.00

Z = 4 in -> CI-pred. = 123 psi

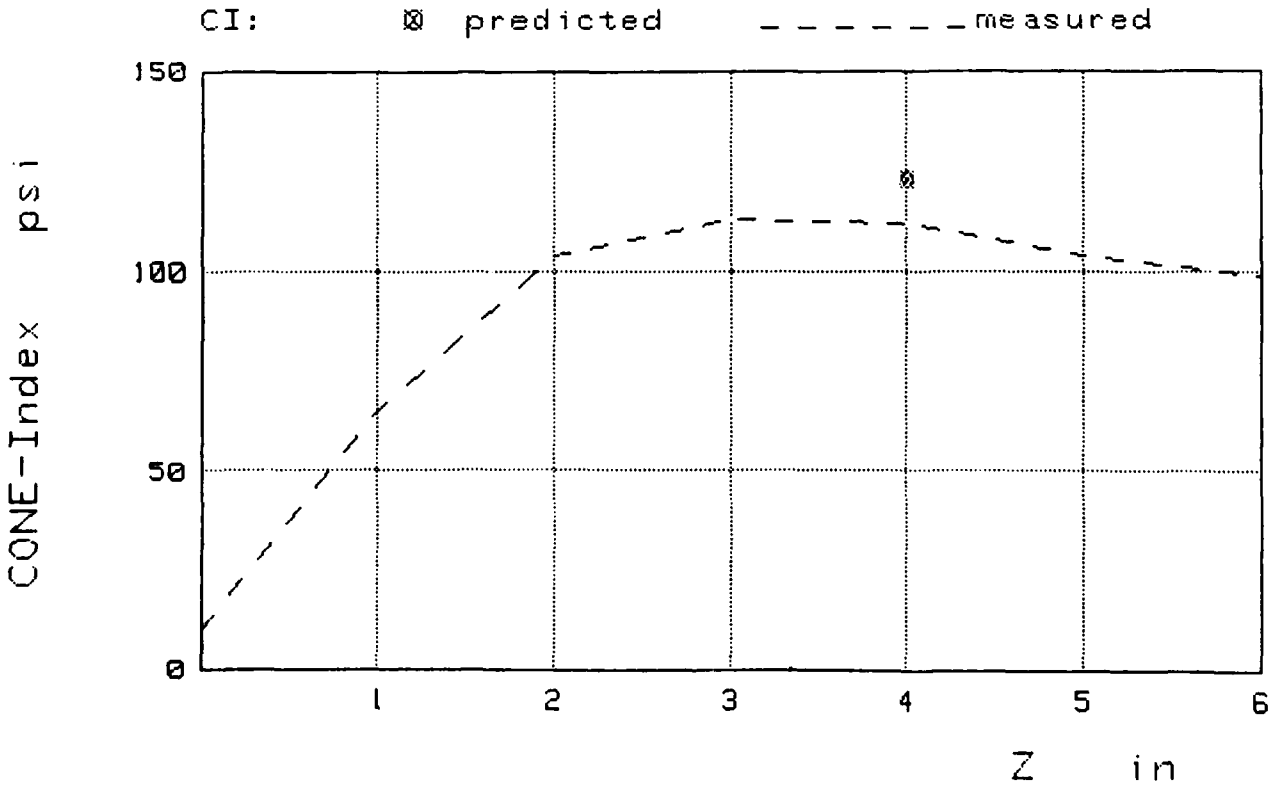


Fig.102 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
14	L1322	3480/6285

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
3.00	18.00	360.00	.0679

Z [in]	CI-meas.[psi]
0.00	6.00
1.00	39.00
2.00	57.00
3.00	58.00
4.00	77.00
5.00	79.00
6.00	96.00

Z = 4 in -> CI-pred. = 129 psi

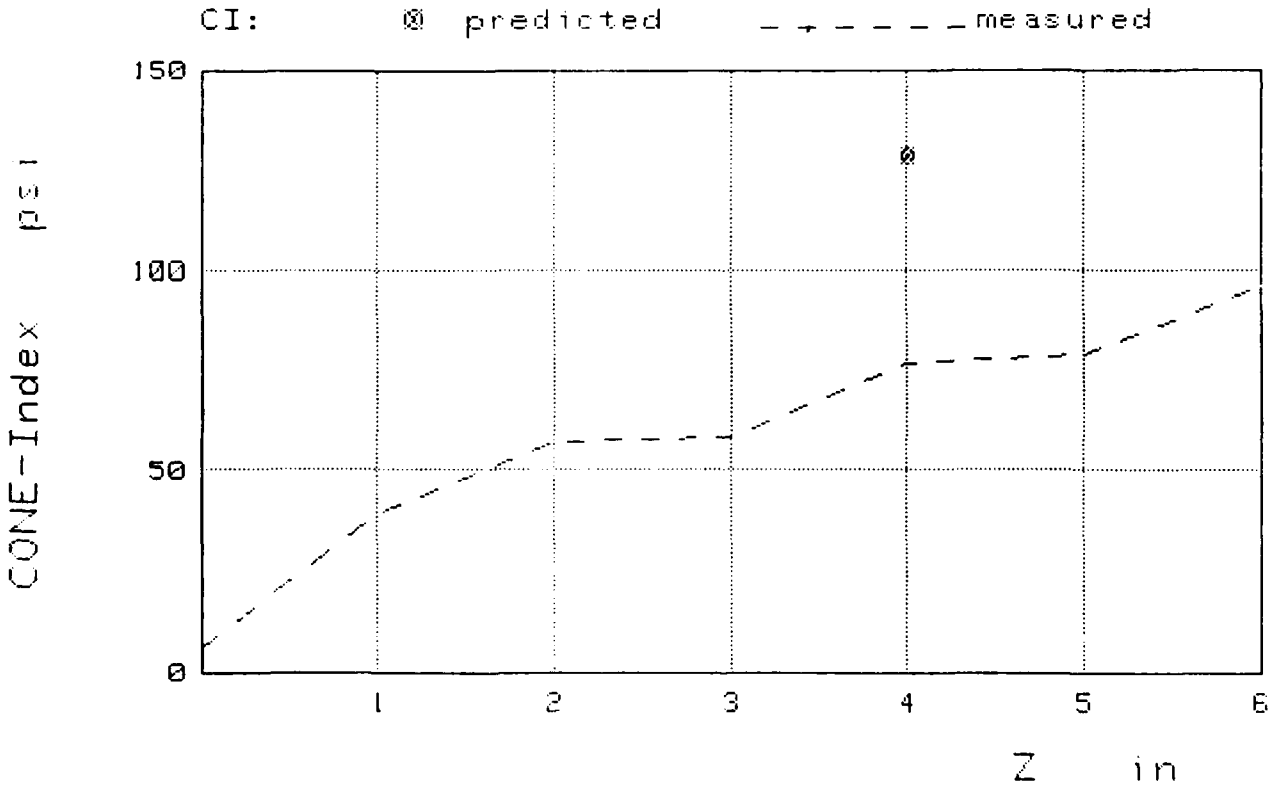


Fig.103 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
20	L2724	5240/0345

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
1.50	5.00	250.00	.0549

Z [in]	CI-meas.[psi]
0.00	7.00
1.00	8.00
2.00	10.00
3.00	15.00
4.00	25.00
5.00	27.00
6.00	32.00

Z = 5 in -> CI-pred. = 28 psi

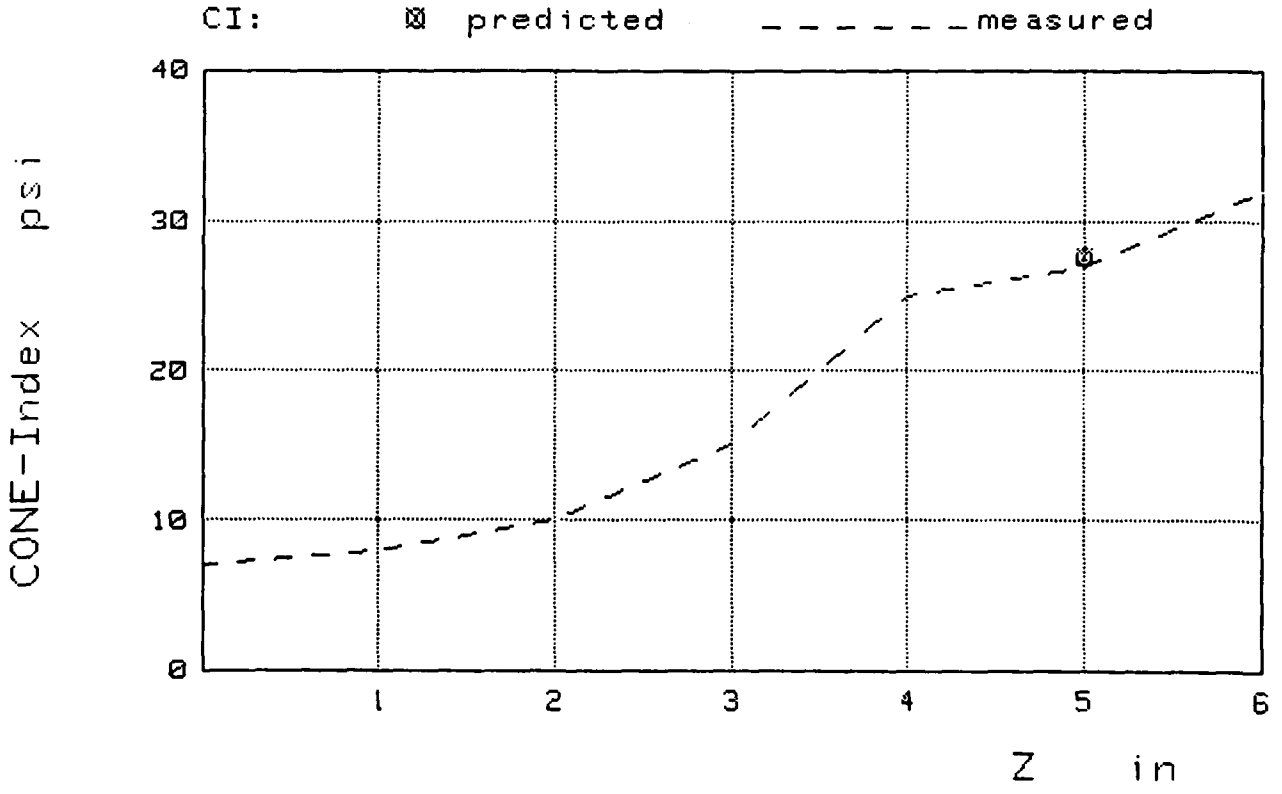


Fig.104 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
25	L5734	6810/7780

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
1.50	10.00	140.00	.0549

Z [in]	CI-meas.[psi]
0.00	31.00
1.00	46.00
2.00	42.00
3.00	55.00
4.00	67.00
5.00	83.00
6.00	92.00

Z = 4 in -> CI-pred. = 36 psi

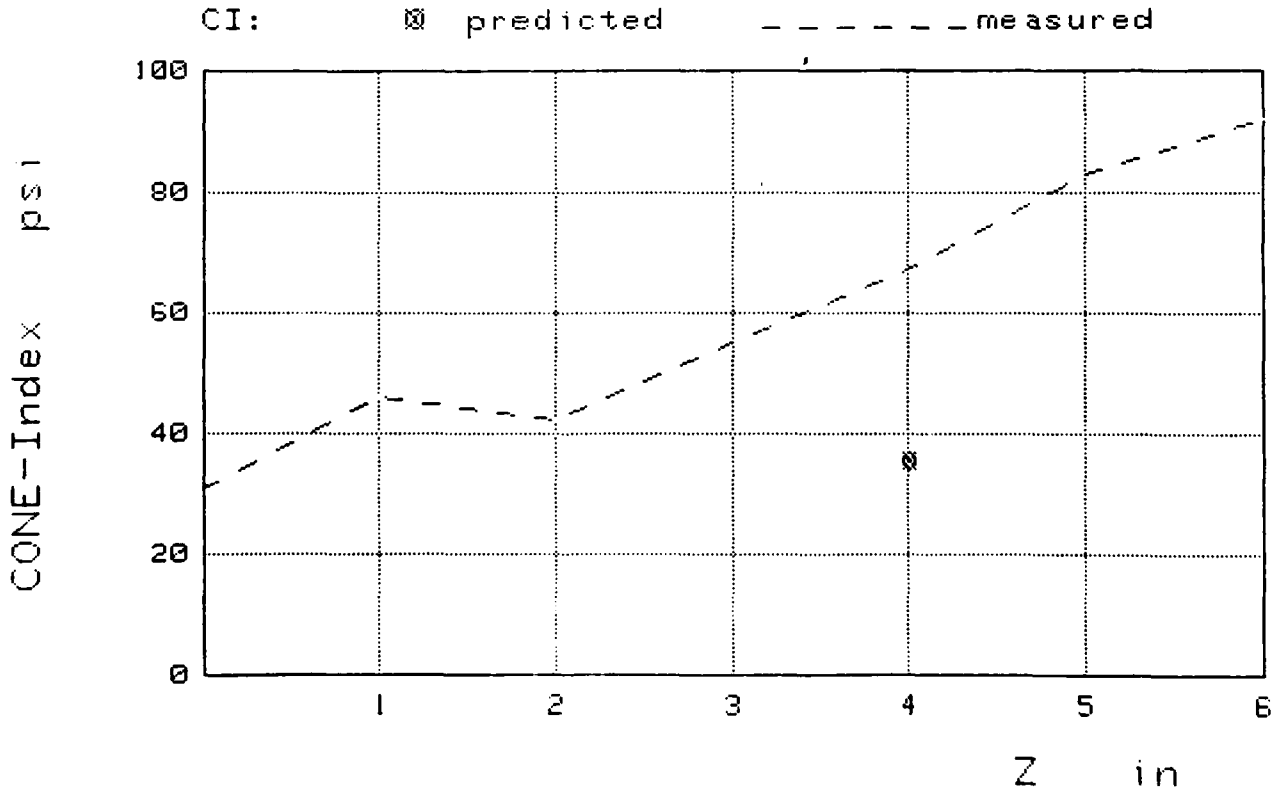


Fig.105 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
27	L5934	8255/5535

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
4.00	7.00	560.00	.0524

Z [in]	CI-meas.[psi]
0.00	43.00
1.00	70.00
2.00	59.00
3.00	74.00
4.00	90.00
5.00	99.00
6.00	105.00

Z = 4 in -> CI-pred. = 82 psi

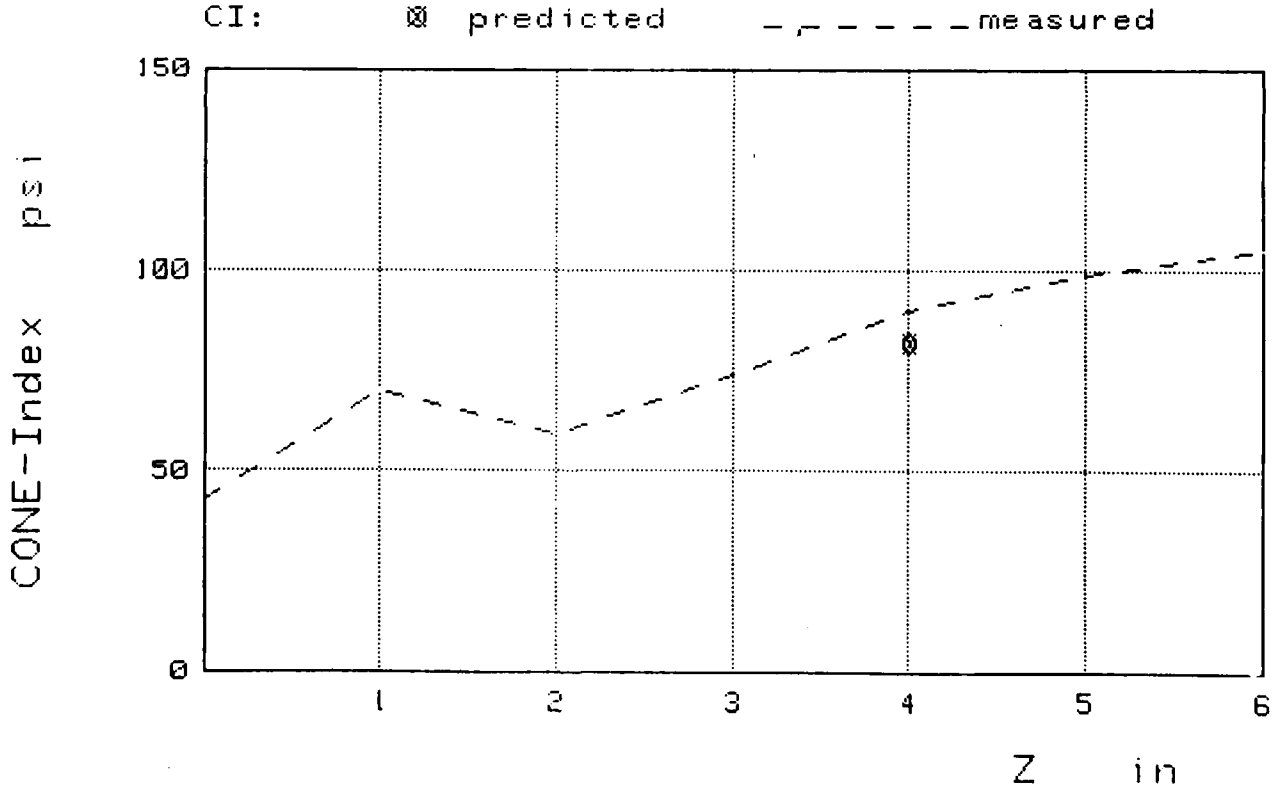


Fig.106 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
28	L6334	3535/1800

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
9.00	0.00	970.00	.0574

Z [in]	CI-meas.[psi]
0.00	29.00
1.00	61.00
2.00	61.00
3.00	63.00
4.00	67.00
5.00	78.00
6.00	96.00

Z = 5 in -> CI-pred. = 102 psi

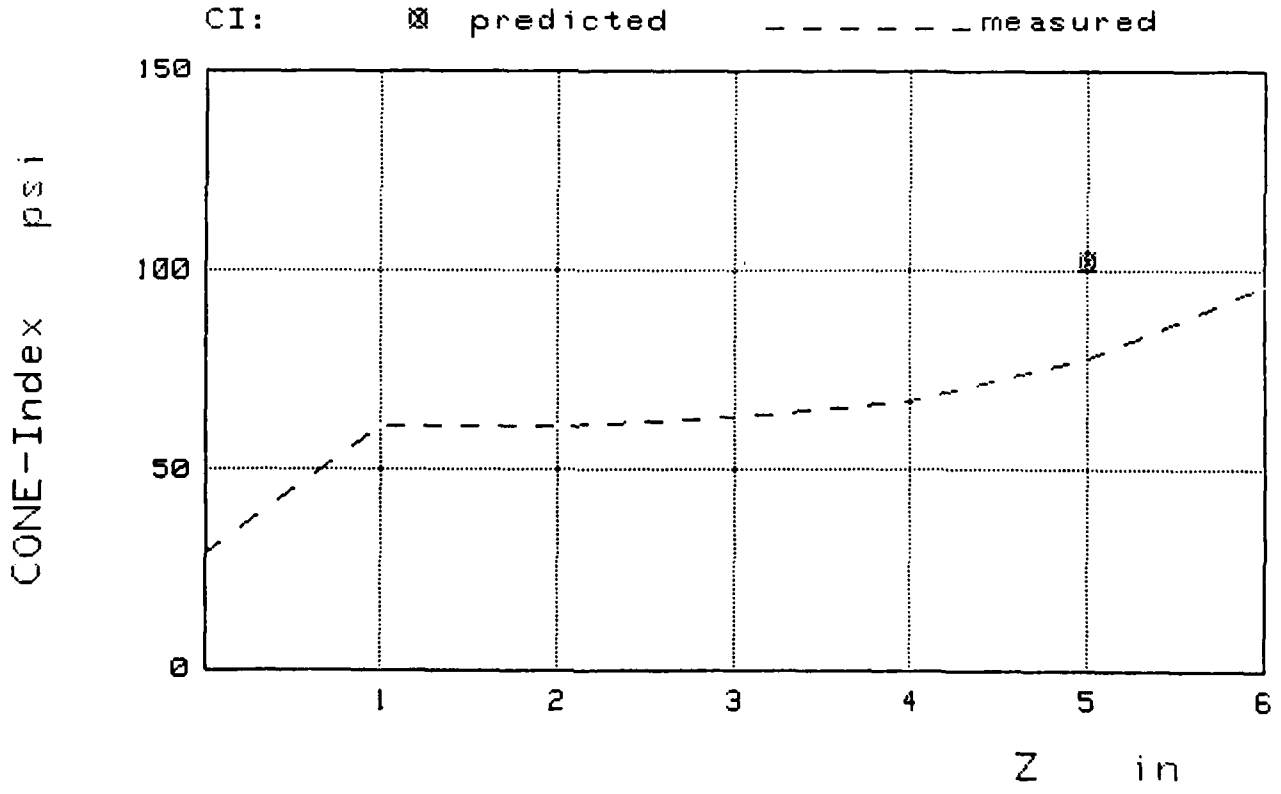


Fig.107 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
34	L8118	8045/9530

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
4.00	0.00	520.00	.0481

Z [in]	CI-meas.[psi]
0.00	6.00
1.00	27.00
2.00	38.00
3.00	48.00
4.00	53.00
5.00	57.00
6.00	62.00

Z = 4 in -> CI-pred. = 47 psi

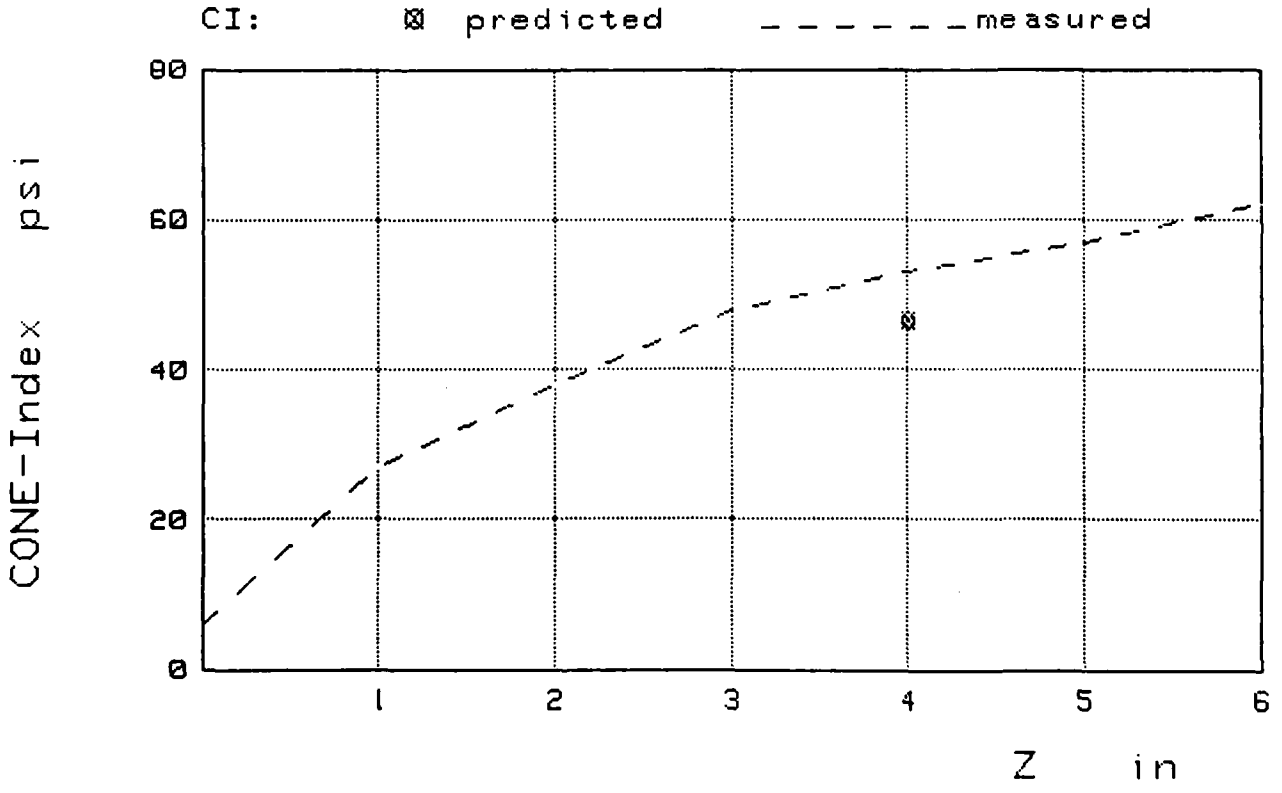


Fig.108 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
35	L6510	8480/7100

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI
4.00	5.00	250.00	.0643

Z [in]	CI-meas.[psi]
0.00	17.00
1.00	32.00
2.00	40.00
3.00	43.00
4.00	43.00
5.00	53.00
6.00	61.00

Z = 6 in -> CI-pred. = 61 psi

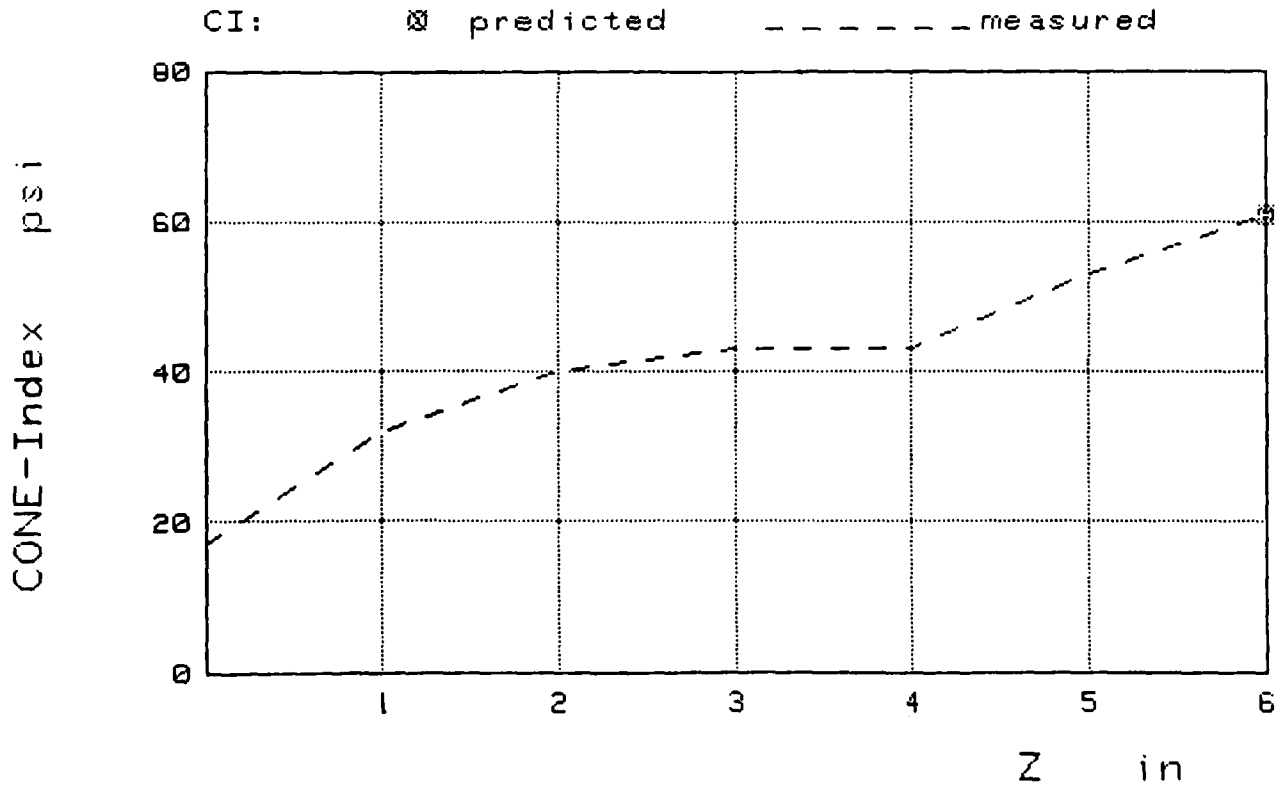


Fig.109 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
1	L5916	6050/4170

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
.80	14.00	140.00	.0585	1.0 in
.80	14.00	300.00	.0585	4.0 in
1.00	18.00	500.00	.0585	6.0 in
1.50	18.00	600.00	.0585	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	32.88	24.00
1.00	38.67	50.00
2.00	39.20	50.00
3.00	48.63	56.00
4.00	73.93	64.00
5.00	82.24	75.00
6.00	100.39	96.00

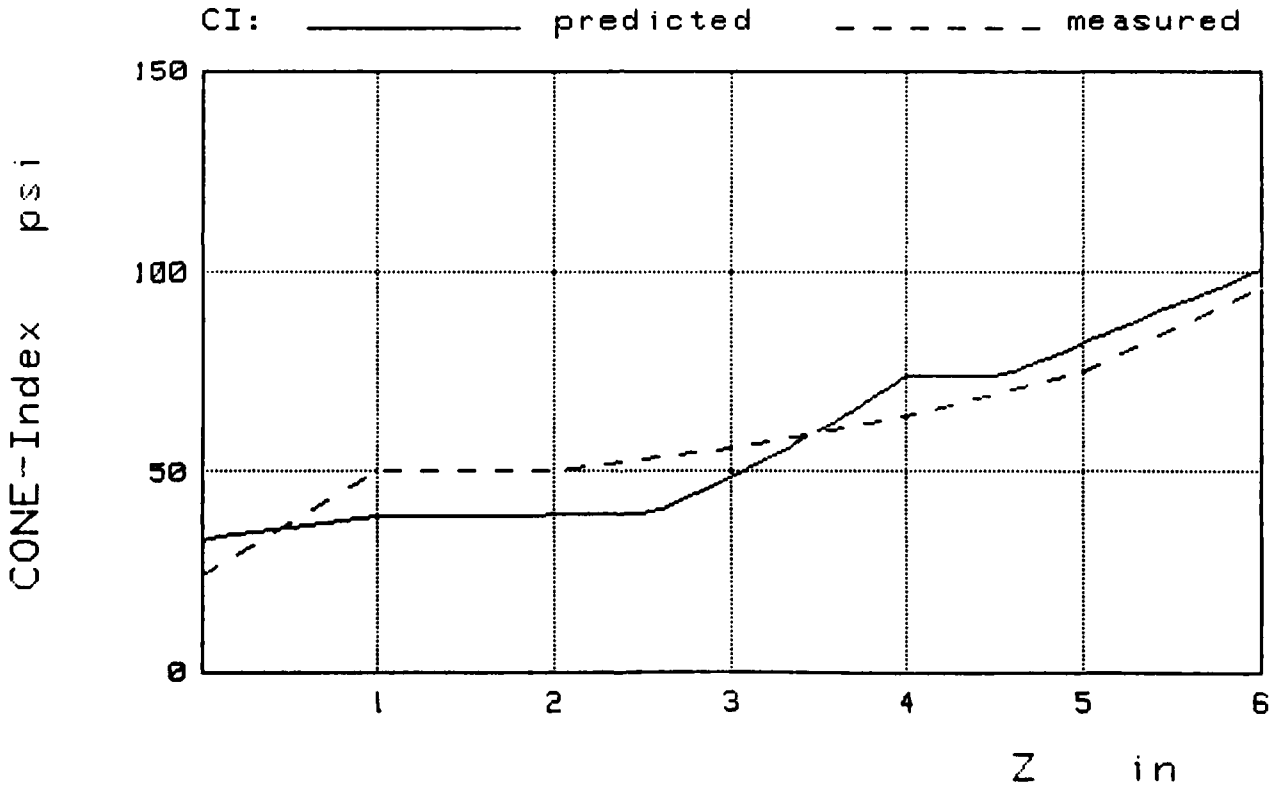


Fig.110 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
3	L5918	8340/4665

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
1.00	4.00	180.00	.0376	1.5 in
2.00	6.00	300.00	.0376	3.5 in
3.00	8.00	400.00	.0376	6.0 in
3.50	8.00	450.00	.0376	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	16.95	15.00
1.00	30.68	30.00
2.00	38.68	44.00
3.00	55.95	59.00
4.00	65.91	66.00
5.00	69.20	68.00
6.00	76.20	74.00

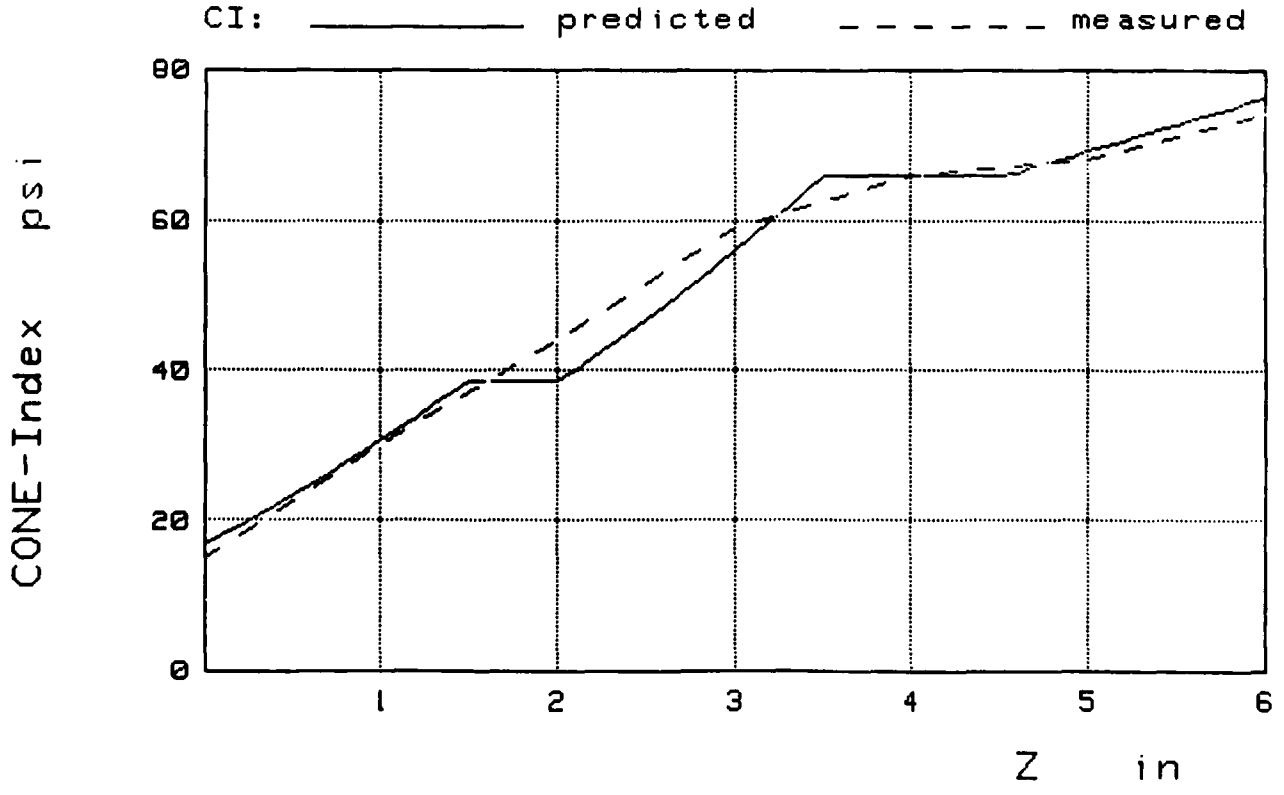


Fig.111 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
9	L3720	2720/8630

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
.50	0.00	100.00	.0676	1.0 in
.80	4.00	200.00	.0676	2.5 in
2.00	7.00	400.00	.0676	6.5 in
2.50	7.00	500.00	.0676	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	8.44	7.00
1.00	14.85	22.00
2.00	33.41	35.00
3.00	45.10	37.00
4.00	45.17	43.00
5.00	45.23	42.00
6.00	52.44	50.00

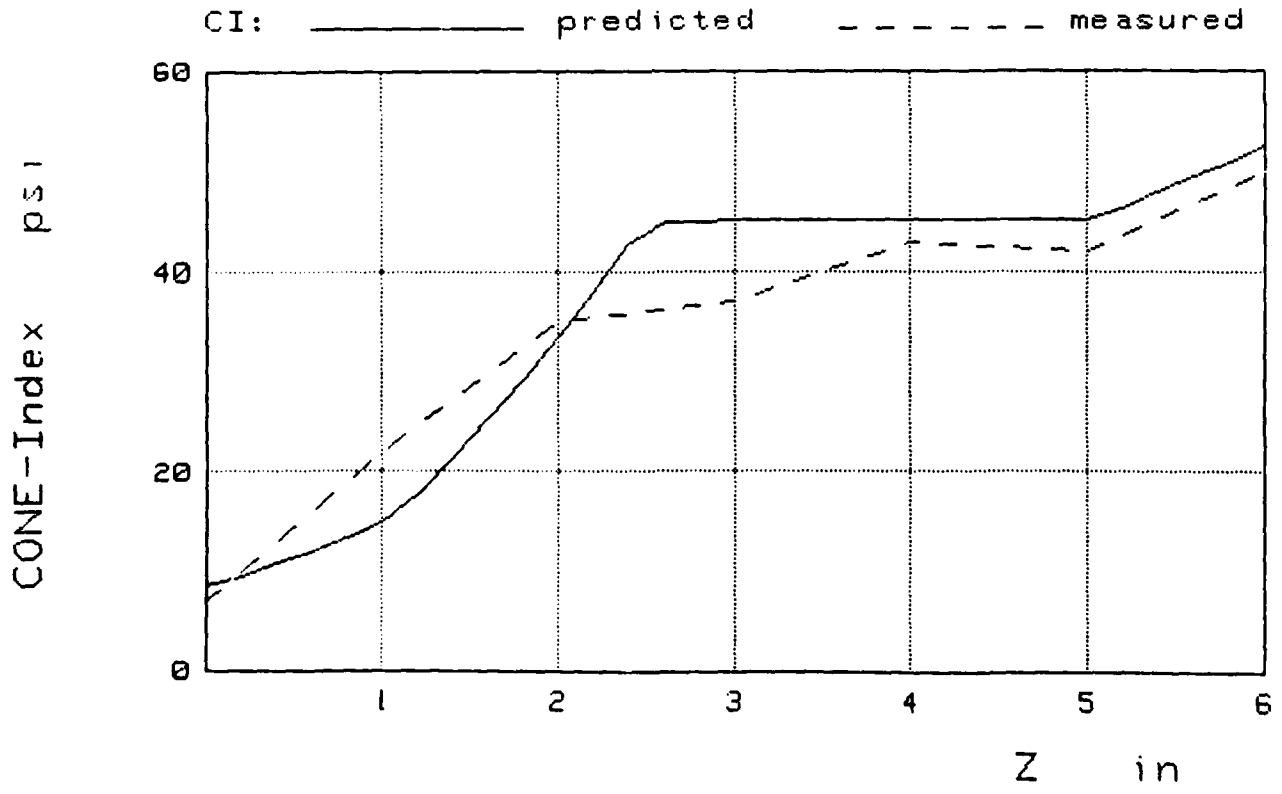


Fig.112 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
10	L3730	3050/8775

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
.30	8.00	100.00	.0607	1.5 in
.80	10.00	100.00	.0607	3.5 in
1.50	12.00	200.00	.0607	6.0 in
1.50	12.00	250.00	.0607	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	8.56	4.00
1.00	16.94	15.00
2.00	21.36	22.00
3.00	36.77	34.00
4.00	45.82	44.00
5.00	46.68	43.00
6.00	48.74	49.00

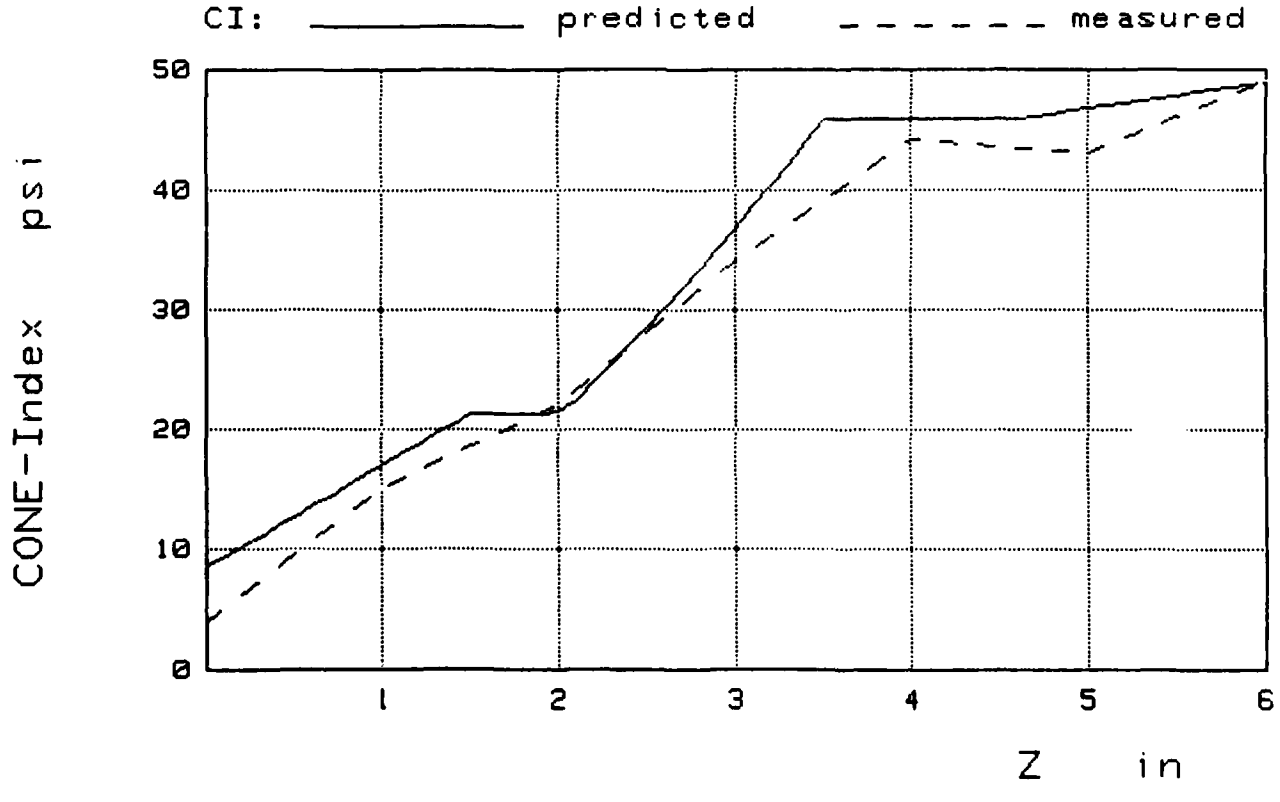


Fig.113 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
11	L4724	6630/7525

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
1.00	0.00	200.00	.0531	1.0 in
3.00	4.00	700.00	.0531	2.0 in
6.00	8.00	500.00	.0531	4.0 in
6.00	8.00	400.00	.0531	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	22.81	10.00
1.00	73.06	65.00
2.00	118.32	104.00
3.00	116.66	113.00
4.00	112.71	112.00
5.00	112.75	104.00
6.00	112.78	99.00

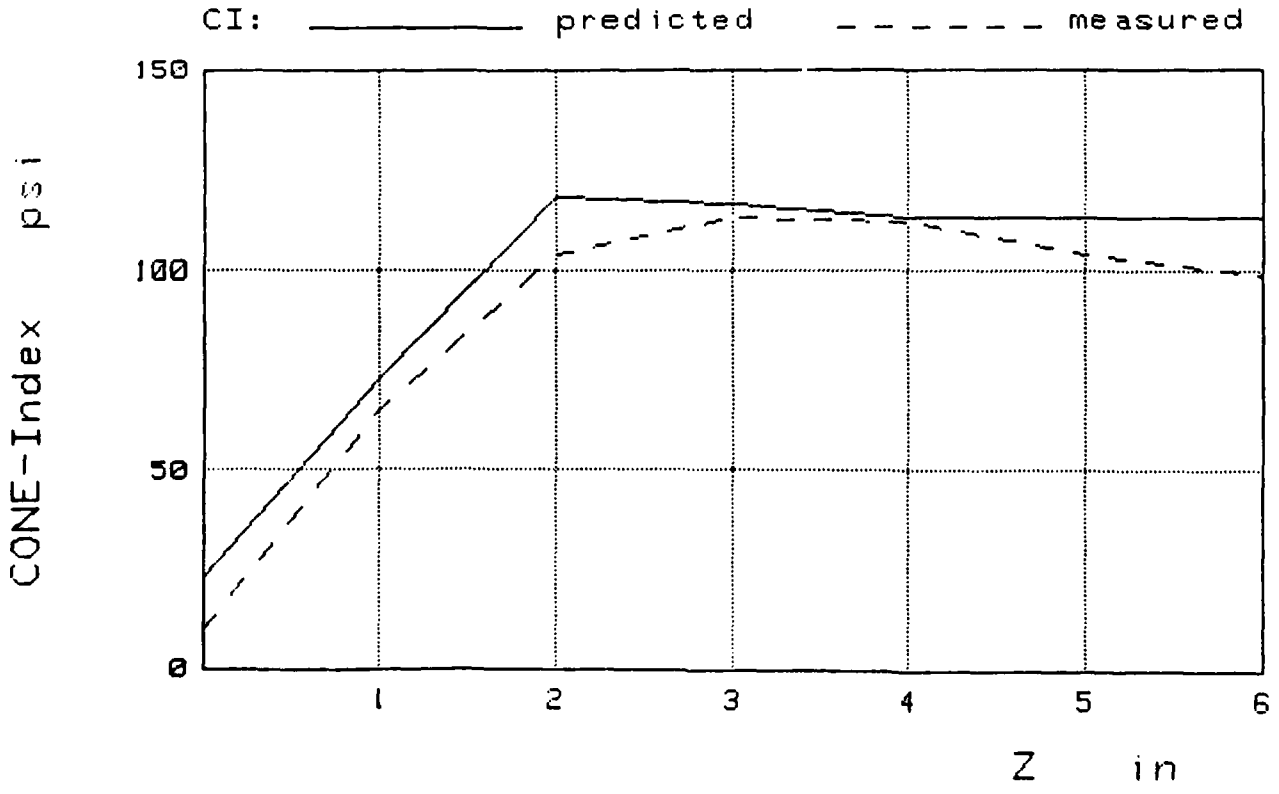


Fig.114 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
20	L2724	5240/0345

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
.60	2.00	120.00	.0550	2.0 in
.90	3.00	150.00	.0550	4.0 in
1.20	5.00	300.00	.0550	6.0 in
1.80	5.00	350.00	.0550	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	8.82	7.00
1.00	10.58	8.00
2.00	14.24	10.00
3.00	17.08	15.00
4.00	23.93	25.00
5.00	27.19	27.00
6.00	34.04	32.00

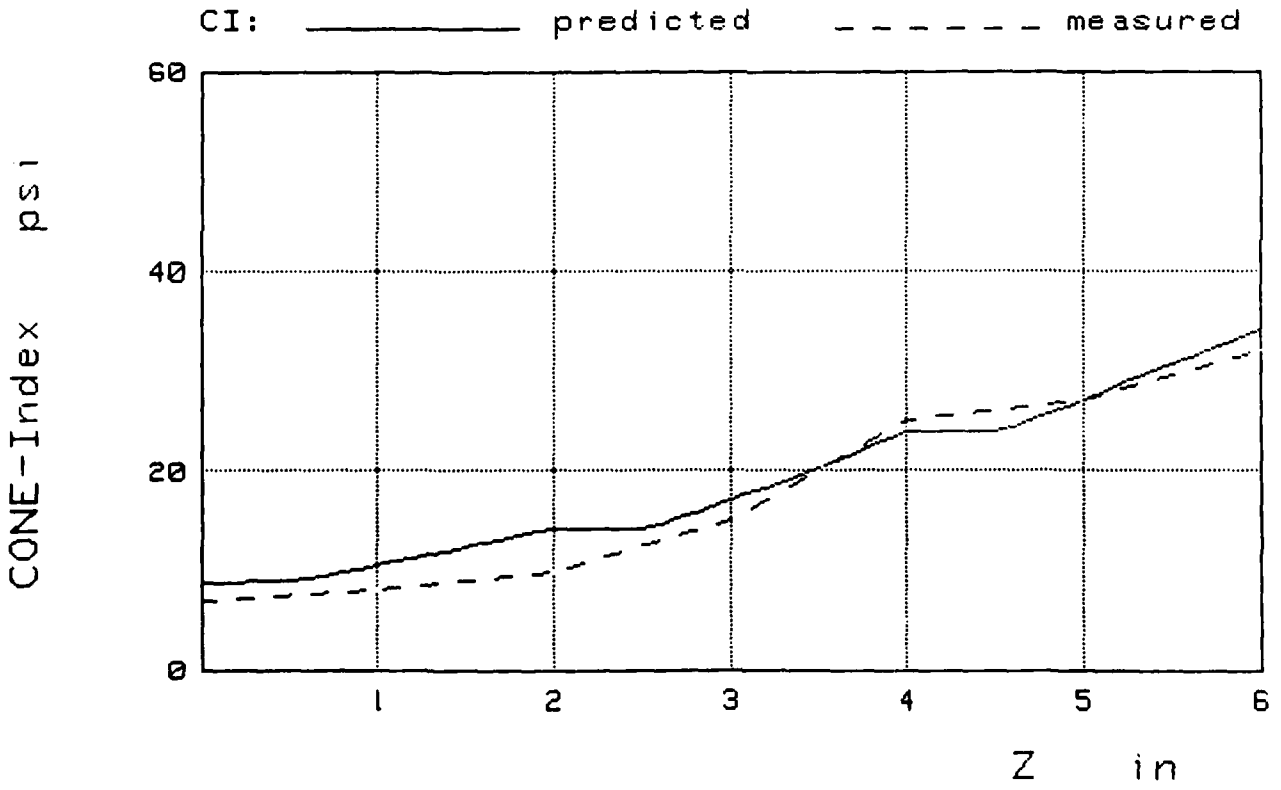


Fig.115 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
27	L5934	8255/5535

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
2.50	5.00	200.00	.0524	1.0 in
3.50	6.00	400.00	.0524	4.0 in
4.00	7.00	600.00	.0524	6.0 in
5.00	7.00	800.00	.0524	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	47.12	43.00
1.00	64.00	70.00
2.00	64.13	59.00
3.00	70.16	74.00
4.00	83.51	90.00
5.00	90.59	99.00
6.00	105.52	105.00

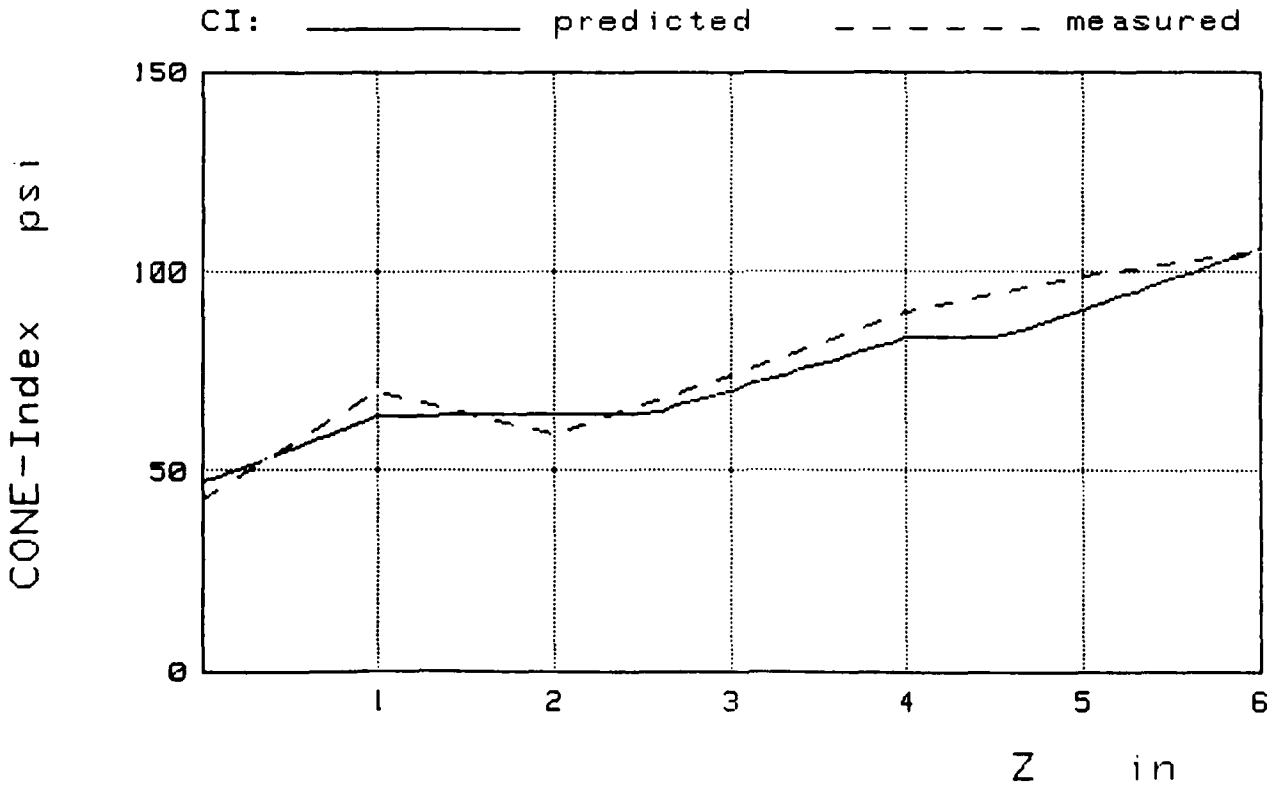


Fig.116 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
28	L6334	3535/1800

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
1.50	0.00	300.00	.0629	1.0 in
5.00	0.00	800.00	.0629	5.5 in
9.00	0.00	900.00	.0629	7.0 in
9.00	0.00	1200.00	.0629	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	31.72	29.00
1.00	59.57	61.00
2.00	59.64	62.00
3.00	59.67	63.00
4.00	59.70	67.00
5.00	87.55	78.00
6.00	102.67	96.00

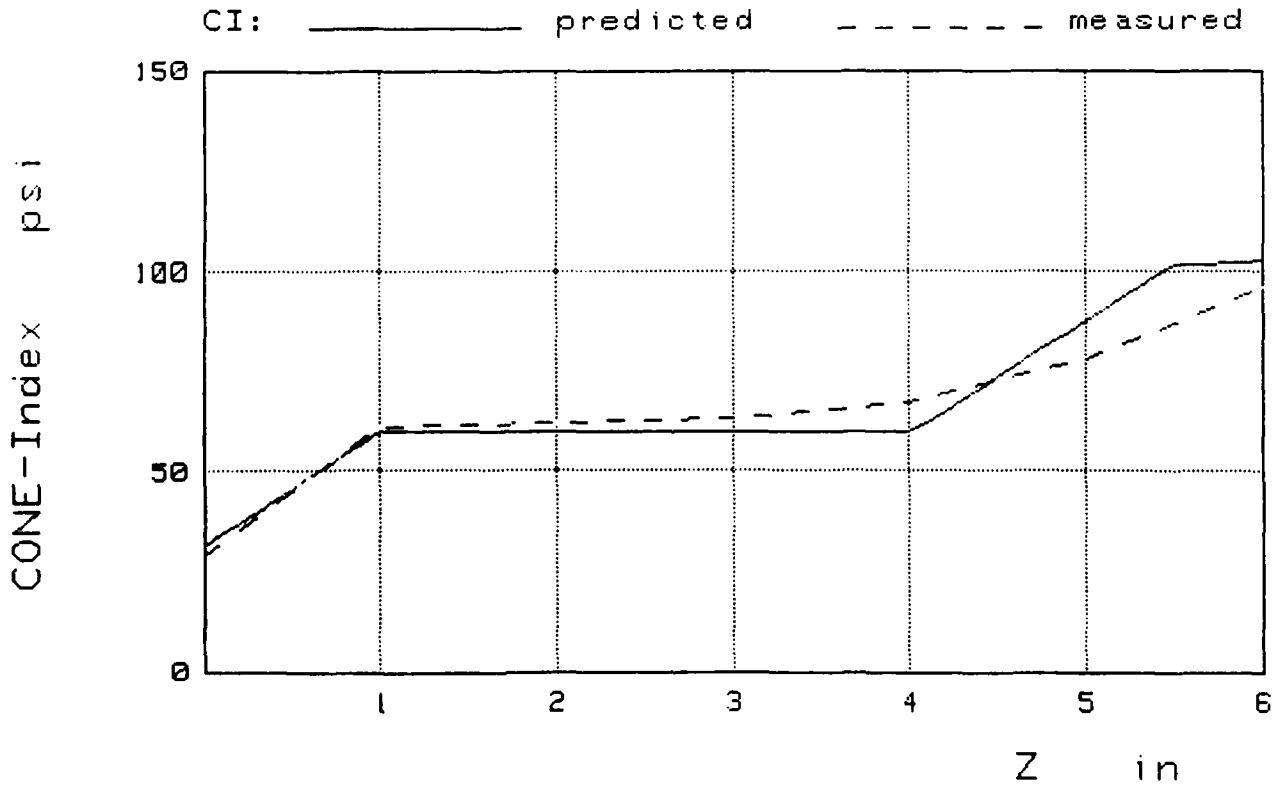


Fig.117 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
34	L8118	8045/9530

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
.80	0.00	250.00	.0481	1.5 in
4.00	0.00	400.00	.0481	4.0 in
4.50	0.00	600.00	.0481	6.0 in
5.00	0.00	800.00	.0481	9.0 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	10.32	6.00
1.00	33.69	27.00
2.00	45.16	38.00
3.00	47.61	48.00
4.00	52.53	53.00
5.00	54.84	57.00
6.00	59.56	62.00

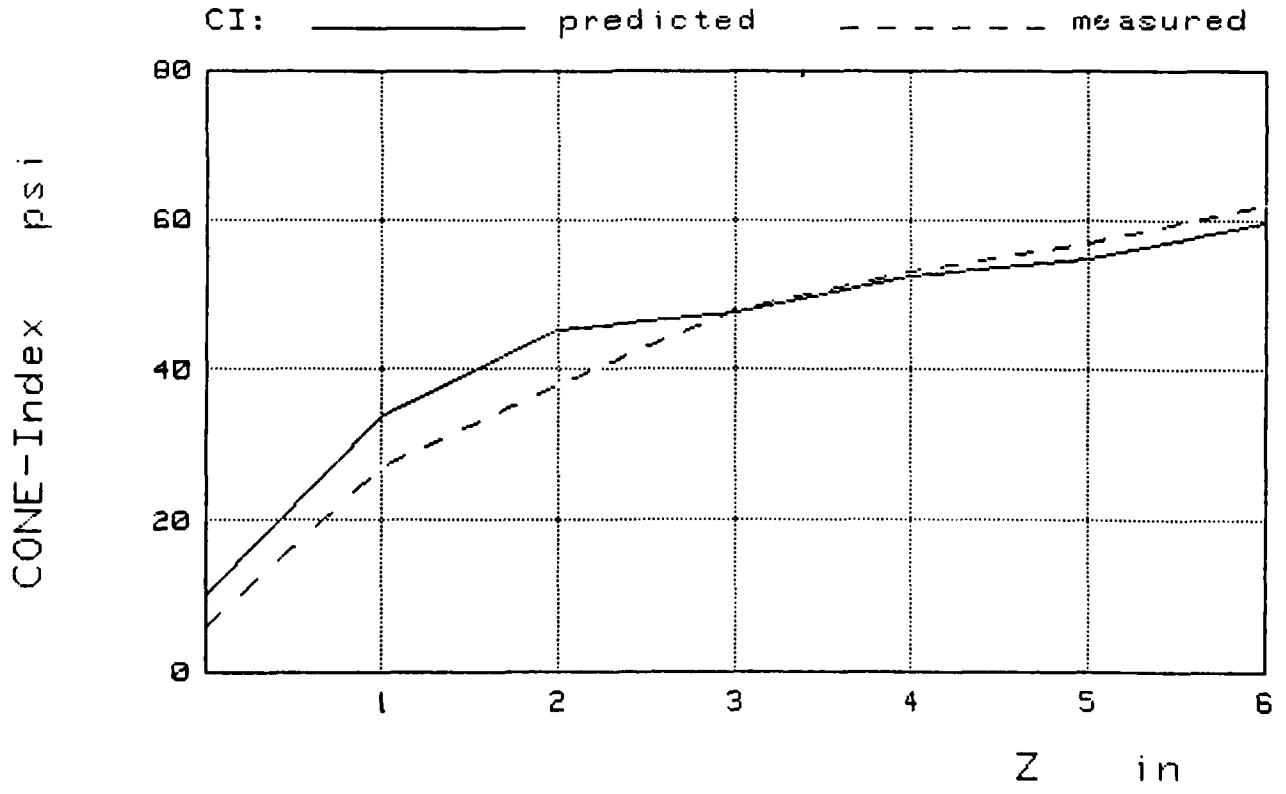


Fig.118 Plots of Predicted and Measured Cone Indices for the Sites Investigated

SITE NO.	QUAD NO.	GRID COORD.
35	L6510	8480/7100

COHESION PSI	FRICTION ANGLE DEGREE	SHEAR MOD. PSI	DENSITY PCI	
2.00	0.00	200.00	.0643	2.0 in
4.00	0.00	240.00	.0643	4.0 in
4.00	0.00	260.00	.0643	6.0 in
5.50	0.00	300.00	.0643	7.5 in

Z [in]	CI [psi]	CI-meas.[psi]
0.00	22.58	17.00
1.00	29.17	32.00
2.00	42.45	40.00
3.00	42.59	43.00
4.00	42.92	43.00
5.00	47.69	53.00
6.00	57.63	61.00

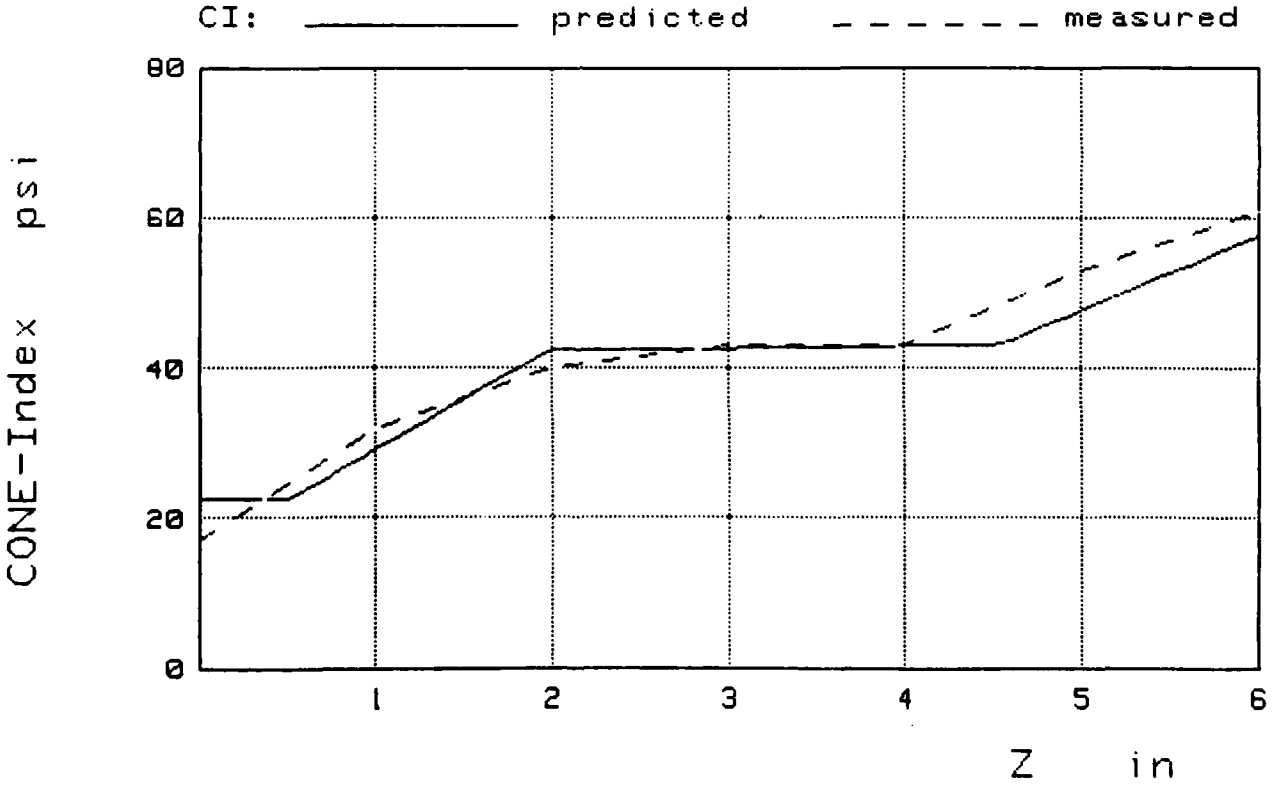


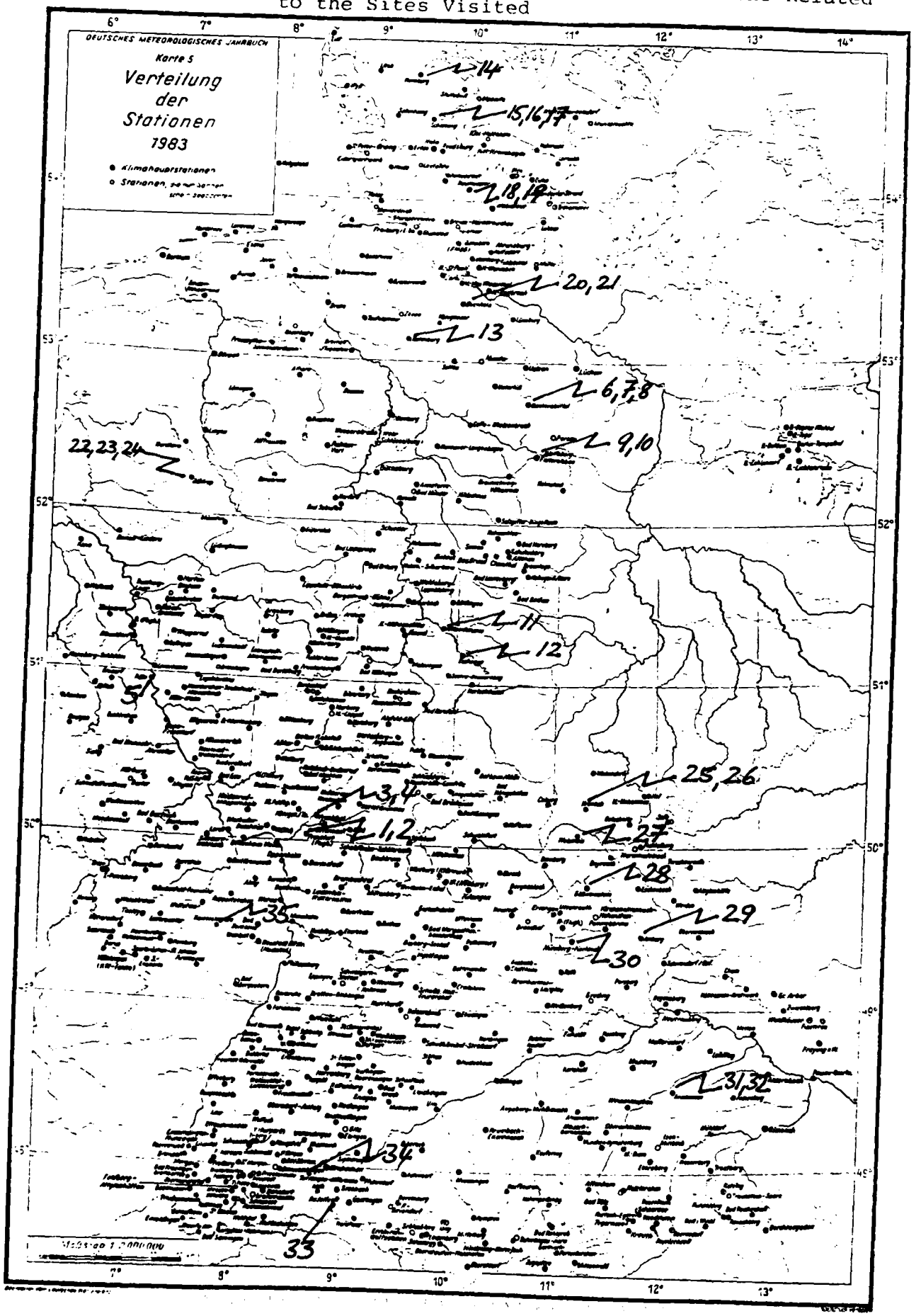
Fig.119 Plots of Predicted and Measured Cone Indices for the Sites Investigated

List of Tables

Table 1 Site Characteristics and Locations Within FRG Terrain (Critical Sites Shown by *)

Site No.	Quad Sheet (Generic Region)	Grid Coord. (UTM)	CI 0 - 6" (May 85)	RI 0 - 6" (May 85)	RCI 0 - 6" (May 85)	CI 0 - 6" (Oct.84)	Weather Station
1*	L 5916	6050/4170	59	0.79	47	40	Frankfurt
2*	"	6001/4565	59	0.75	44	83	
3*	L 5918	8340/4665	51	0.41	21	77	Offenbach
4	" (1)	6930/1280	39	1	39	-	
5*	L 5106	3910/3595	61	1	61	48	Köln
6*	L 3528	0670/2725	48/(82)	0.79/(0.59)	38/(48)	106	Hankens-
7*	"	0600/2325	51	0.43	22	110	büttel
8*	"	0500/2526	72	0.46	33	69	
9*	L 3730	2720/8630	34	0.48	16	52	Wolfsburg
10	" (2)	3050/8775	30	0.45	14	-	
11*	L 4724	6630/7525	87	0.85	74	114	Witzenhausen
12*	L 4924 (21)	6425/7075	86	0.60	52	112	Eschwege
13*	L 3122 (6)	3560/6820	79/(104)	0.77/(0.47)	58/(49)	117	Rotenburg
14	L 1322 (1)	3480/6285	59	0.53	31	-	Flensburg
15	L 1522	2940/3740	14	1	14	-	
16	"	3585/3440	124	0.93	115	148	Schieswig
17*	" (2)	3600/3055	26	1	26	65	
18	L 1924	6140/0185	37	0.34	13	-	Neumünster
19*	"	6140/0280	49	0.60	30	48	
20*	L 2724	5240/0345	18	0.52	9	38	Buchholz
21*	"	5375/9960	27	0.56	15	57	
22*	L 3908 (6)	8200/6815	44	1	44	43	
23	"	8200/6815	17	0.37	6	-	Ochtrup
24	"	8160/6845	22	0.30	7	-	
25*	L 5734	6810/7780	59	0.48	28	109	Kronach
26	L 5934 (26)	8165/5470	127	-	-	89	
27*	L 5934	8255/5535	77	0.37	29	119	Weismain
28*	L 6334	3535/1800	65/(109)	0.53/(0.68)	35/(74)	97	Gössweinstein
29*	L 6536	9390/8950	82	1	82	64	Amberg
30*	L 6534 (48)	8920/8965	58	1	58	50	Nürnberg
31	L 7738	8480/4710	43	0.61	26	-	Kumhausen
32	"	8760/4350	101	0.95	96	99	
33	L 8318	8140/8950	62	1	62	-	Radolfzell
34*	L 8118 (48)	8045/9530	41	0.88	36	69	Tuttlingen
35*	L 6510 (21)	8480/7100	41/(70)	0.45/(0.38)	18/(27)	25	Kaiserslautern

Table 1 ctd. Distribution of Climatological Stations Related to the Sites Visited



Legend of Meteorological Data for Tables 2-6

Headings of columns 1 to 29

1	Station
2	Altitude above sea level
3	Mean temperature (^{o}C)
4	Deviation from mean value 1931-1960 (^{o}C)
5	Maximum temperature (^{o}C)
6	Maximum temperature at ... (date = day of current month)
7	Minimum temperature (^{o}C)
8	Minimum temperature at ... (date = day of current month)
9	Minimum temperature on ground level
10	Minimum temperature at ... (date = day of current month)
11	Relative humidity, %
12	Cloudiness
13	Precipitation (mm)
14	Precipitation in % of the 1931-1960 mean value
15	Number of days with precipitation above 0.1 mm
16	Number of days with precipitation above 1.0 mm
17	Number of days with precipitation above 10.0 mm
18	Number of days with snow fall above 0.1 mm
19	Number of days with snow cover
20	Number of foggy days
21	Number of thunderstorm days
22	Number of clear/fair days
23	Number of cloudy days
24	Number of hot days
25	Number of summer days
26	Number of frost days
27	Number of ice days
28	Sunshine period in hours
29	Sunshine period in % of the 1951-1960 mean

Table 2 Meteorological/Climatological Data for the Areas of Investigation (September 1984)

Monatswerte — September 1984

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0–8	Niederschlag: Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schneefall ≥ 0,1 mm	Schneedecke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Schleswig-Holstein																												
List auf Sylt (Wst)	26	13.0	-1.2	19.8	3.	9.0	22.24.	4.5	28.	81	5.8	162	205	23	19	5	.	.	4	2	1	12	.	.	.	.	127	70
Leck ((BW)	7	12.0	-0.8	20.4	3.	3.2	28.	2.1	28.	84	4.8	130		24	16	6	.	.	4	4	1	6	.	.	.	.	105	
site 14 — Flensburg (Schaferhaus)	41	11.8	-1.2	20.2	3.	3.2	28.	2.8	28.	84	5.4	137	173	22	15	5	.	.	4	2	1	10	.	.	.	.	86	50
Wyk/Föhr	1	12.9		21.0	3.	4.3	5.	0.3	5.	85	5.9	151	184	22	22	3	.	.	4	1	.	15	.	.	.	.	114	
Stoltebüll 1)	28	12.2	-1.0	21.3	3.	4.8	8.	4.0	8.	84	5.7	86	130	20	14	2	.	.	2	1	1	10	.	.	.	.	108	
Schleswig (WA)	43	12.3	-0.8	20.8	3.	5.4	28.	3.5	28.	85	5.7	85	105	20	13	2	.	.	4	2	1	11	.	.	.	.	115	66
15 — Westermarkelsdorf/Fehmarn 1)	1	13.0	-1.0	22.3	3.	6.7	8.	3.2	8.	83	5.2	90	164	19	14	3	.	.	.	.	.	9	.	.	.	.	108	
16 — Schwesing (BW)	28	12.1	-0.9	20.5	3.	4.2	6.	2.3	7.	89	5.2	82	92	21	14	3	.	.	8	6	1	6	.	.	.	.	102	
17 — Kiel-Kronshagen (Wst)	17	12.4	-0.9	22.3	3.	5.0	28.	4.0	28.	85	5.4	91	132	20	14	2	.	.	2	1	1	10	.	.	.	.	106	58
Hohwacht	10	12.6	-1.1	22.8	3.	6.7	8.25.	5.7	25.	87	5.3	105	178	20	14	4	.	.	.	.	2	11	.	.	.	.		
Erfde 1)	18	12.2	-1.0	20.3	3.	4.4	8.28.	4.0	8.	86	5.1	106	125	20	16	4	.	.	3	.	.	8	.	.	.	.	111	
Sankt Peter-Ording	4	13.0	-1.2	20.5	3.	4.6	8.	2.0	28.	81	6.0	122	153	22	18	4	.	.	3	2	.	12	.	.	.	.	106	
Rendsburg	8	12.3	-0.8	21.3	3.	4.3	28.	2.1	8.	83	5.6	97	129	21	14	5	.	.	2	2	.	11	.	.	.	.		
Lensahn	14	12.5	-1.1	22.7	3.	5.2	8.	3.0	8.	87	6.6	90	143	19	15	4	.	.	.	.	.	19	.	.	.	.		
Heide/Holstein	12	12.4	-1.1	20.6	3.	4.0	8.	3.2	8.	85	5.4	155	176	22	17	4	.	.	5	2	.	8	.	.	.	.		
Helgoland (Wst)	4	14.2	-1.1	19.1	2.	9.8	23.	6.3	24.	81	5.3	98	123	22	14	2	.	.	.	5	.	7	.	.	.	.	132	80
Plön (See) 1)	24	12.5	-1.4	21.6	3.	7.5	8.25.	6.6	25.	88	5.3	78	115	22	14	2	.	.	1	1	1	10	.	.	.	.	94	
Eutin	50	12.3	-1.1	22.4	3.	4.6	8.	3.6	8.	84	5.8	77	110	20	13	2	.	.	4	.	.	14	.	.	.	.		
18 — Hohenwestedt	80	11.7	-1.3	20.5	3.	5.0	24.	3.5	24.	87	5.9	112	135	22	14	4	.	.	4	.	.	9	.	.	.	.		
19 — Neumünster	21	12.3	-1.0	22.0	3.	4.7	28.	3.3	25.	84	5.5	104	141	22	16	5	.	.	2	.	1	9	.	.	.	.		
Helse, Kr. Dithmarschen 1)	2	12.5	-1.2	20.6	3.	5.9	8.	4.4	8.	82	5.2	150	188	21	16	5	.	.	4	2	1	9	.	.	.	.	120	
Travemünde 1)	9	12.8	-1.2	23.0	3.	6.5	28.	3.5	28.	84	5.2	72	150	15	13	3	.	.	2	.	4	13	.	.	.	.	112	
Wahlstedt	45	12.1	-1.3	22.2	3.	4.1	24.	1.5	28.	84	6.7	85		21	14	3	.	.	5	.	2	23	.	.	.	.		
Lübeck (Wst)	8	12.7	-1.3	23.0	3.	5.1	24.	4.4	24.	79	5.7	77	128	17	12	2	.	.	2	.	1	11	.	.	.	.	102	54
Brande-Hörnerkirchen 1)	9	12.0	-0.9	21.6	3.	3.9	24.	2.4	8.	87	6.1	93		19	14	4	.	.	5	.	.	16	.	.	.	.	98	
Glückstadt 1)	2	12.5	-1.5	21.5	3.	4.0	8.	3.4	8.	80	5.8	69	96	22	13	.	.	.	3	.	.	11	.	.	.	.	95	
Quickborn (FMG), Kr. Pinneberg	13	12.4	-0.6	21.5	3.	4.0	24.	2.0	8.	85	5.6	76		20	17	2	.	.	10	.	.	14	.	.	.	.	92	
Ahrensburg-Wulfsdorf (AMBF)	46	12.2	-1.0	21.9	3.	4.5	24.	1.7	8.	90	5.9	75	114	19	14	2	.	.	3	.	.	13	.	.	.	.	101	
Mölln 1)	42	12.4	-0.8	22.0	3.	4.1	24.	3.0	24.	87	5.9	83	148	22	15	2	.	.	2	.	2	13	.	.	.	.	89	
Hamburg-Fuhlsbuttel (Flugh.)	13	12.6	-0.9	22.2	3.	4.0	24.	1.5	28.	85	5.4	78	128	21	13	2	.	.	5	.	.	10	.	.	.	.	112	65
Bremerhaven (Wewa)	7	13.2	-1.0	22.3	2.	5.1	24.	4.6	24.	84	5.6	75	109	22	16	.	.	.	5	2	.	12	.	.	.	.	105	63
Bremen (Flugh.)	4	12.8	-1.2	23.4	2.	2.9	24.	2.1	13.	84	5.9	99	165	21	16	4	.	.	5	3	.	14	.	.	.	.	94	57
Niedersachsen																												
Cuxhaven (Wst)	5	13.3	-1.2	20.6	2.14.	6.9	24.	5.0	24.	83	5.3	101	120	22	16	4	.	.	2	4	1	11	.	.	.	.	121	71
Wangerooge	6	13.4	-1.3	21.6	3.1	6.6	24.	5.7	24.	85	4.3	107	132	21	15	3	.	.	4	1	2	2	.	.	.	.		
Langeoog	5	13.5	-1.2	21.8	2.	6.9	24.	5.3	8.	83	5.8	110	134	21	14	4	.	.	.	1	.	13	.	.	.	.		
Norderney (Wst)	11	13.9	-1.0	21.5	2.	7.7	24.	6.4	24.	81	5.7	116	145	21	17	5	.	.	3	1	.	8	.	.	.	.	10	70
Bederkesa	27	12.2	-1.5	21.5	3.	3.0	24.	3.0	24.	86	5.8	95	128	20	16	2	.	.	4	.	1	12	.	.	.	.		
Wilhelmshaven	1	12.9	-1.2	23.4	2.	4.7	24.	3.8	24.	85	5.4	90	127	18	15	1	.	.	3	1	1	7	.	.	.	.		
Jever (BW)	7	12.7	-1.0	23.3	2.	4.2	24.	2.2	24.	82	5.5	90	122	22	15	3	.	.	11	3	.	8	.	.	.	.	109	
Jork	1	12.1	-1.1	21.5	3.	2.9	24.	2.6	24.	86	5.4	69	105	19	13	2	.	.	3	.	.	11	.	.	.	.	98	
Bremervörde	5	12.1	-1.3	21.4	2. 3.	2.2	24.	2.5	24.	85	5.7	98	146	22	16	2	.	.	2	1	.	11	.	.	.	.		
Aurich	4	12.5	-1.0	23.6	2.	4.3	13.	0.9	13.	88	6.6	92	126	21	17	2	.	.	7	.	.	17	.	.	.	.	86	
Emden-Nesserland (Wst)	5	13.5	-0.7	24.3	2.	6.1	24.	4.9	24.	82	5.7	99	138	20	16	3	.	.	5	.	1	9	.	.	.	.	90	56

1) Sonnenscheindauer nicht direkt am Standort der Station registriert *) vom Mittel 1931-1960 **) vom Mittel 1951-1960
Abkürzungen: WA = Wetteramt, Wewa = Wetterwarte, Wst = Wetterstation, AMBF = Agrarmeteorologische Beratungs- und Forschungsstelle, BW = Bundeswehr, Khst = Klimahauptstation, Nst = Niederschlagsstation

Table 2 ctd.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
20	Brake (Unterweser)	5	12.8	-0.8	22.5	2.	4.7	24.	4.0	24.	83	6.2	96	160	21	17	3	.	.	7	2	.	15	.	.	.	.	99	
21	Buchholz i.d. Nordheide	77	11.5		21.0	3.	3.5	24.	1.0	8.	89	6.1	112		20	17	2	.	.	5	.	.	16	.	.	.	.	86	
	Teufelsmoor	6	12.4	-1.0	22.8	2.	1.9	24.	0.5	24.	87	5.8	94	152	19	15	2	.	.	8	.	.	12	.	.	.	.		
	Luneburg	11	12.8	-1.0	23.0	3.	5.2	24.	4.0	24.29.	79	5.8	67	124	21	15	1	.	.	3	.	1	12	.	.	.	.	88	
	Oldenburg (I)	5	12.6	-1.4	23.3	2.	2.6	24.	1.8	24.	85	6.2	103	163	23	15	2	.	.	6	.	.	13	.	.	.	.	88	
13	Rotenburg (Wumme)	24	11.8	-1.6	22.0	2.14.	4.9	13.17.	3.1	29.	77	5.7	95	164	18	14	3	.	.	1	.	1	14	.	.	.	.		
	Friesoythe (Abwechterlanne)	8	12.5	-1.0	23.0	2.	3.6	24.	1.1	13.	87	6.6	115	185	21	17	4	.	.	7	.	.	18	.	.	.	.	91	
	Soltau (Wst)	77	12.3	-1.0	22.1	2.	5.0	13.	2.7	13.	85	5.7	78	137	20	14	2	.	.	1	2	.	12	.	.	.	.	96	57
	Dorpen	6	12.9	-0.8	23.8	2.	5.3	24.	1.5	24.	83	6.1	103		22	14	4	.	.	6	2	.	12	.	.	.	.		
	Uelzen	45	12.6	-0.9	23.3	3.	5.0	24.	4.0	24.	88	5.6	80	167	21	15	1	.	.	4	1	.	13	.	.	.	.	86	
	Lychow (Wst)	17	12.6	-1.1	23.3	3.	4.0	24.	3.5	24.	85	6.3	62	138	21	15	.	.	.	6	1	.	16	.	.	.	.	97	53
	Ahlhorn (BW)	48	12.6		24.0	2.	3.9	24.	1.9	24.	84	5.8	109		19	16	4	.	.	7	3	.	13	.	.	.	.	86	
	Bassum (Luftsch.-Warnamt)	53	12.6		23.5	2.	3.0	17.	3.5	13.	86	6.5	138		20	15	4	.	.	4	3	.	18	.	.	.	.		
	Unterlüß	98	11.9	-1.5	22.7	2.	3.4	17.	2.3	17.	89	6.0	131	238	22	17	4	.	.	7	1	1	14	.	.	.	.		
6	Loningen	36	13.0	-0.7	25.0	2.	6.0	6.17.	5.0	6.13.	83	6.0	131	196	22	17	5	.	.	4	1	.	14	.	1	.	.	80	
7	Hankensbüttel	84	12.1	-1.0	24.0	3.	5.5	13.	2.5	13.	86	6.2	94	181	21	15	3	.	.	4	2	.	18	.	.	.	.		
8	Nienburg	26	13.0	-1.0	24.4	2.	5.0	13.	4.0	13.	83	6.3	105	206	21	15	4	.	.	2	3	.	18	.	.	.	.	91	
	Lingen (Wst)	21	13.5	-0.6	24.7	2.	6.1	6.	5.2	6.	84	6.1	142	206	21	17	7	.	.	4	2	.	16	.	.	.	.	82	55
	Althausen	48	12.8	-0.6	24.5	2.	5.5	28.	3.8	28.	86	6.0	135	201	19	16	4	.	.	1	.	1	14	.	.	.	.		
	Hannover-Langenhagen (Flugh.)	53	13.1	-0.7	24.0	2.	4.8	28.	3.4	28.	83	5.9	93	172	21	13	3	.	.	5	3	.	14	.	.	.	.	107	65
9	Nordhorn	24	13.1	-1.0	25.1	2.	5.8	28.	5.2	28.	83	6.5	162	257	22	19	5	.	.	3	3	.	19	.	1	.	.		
10	Wolfsburg-Fallersleben	74	13.1		24.0	3.	5.8	13.	4.8	13.	83	5.6	75	144	21	11	3	.	.	2	.	1	11	.	.	.	.		
	Braunschweig-Volkenrode (Wst)	81	13.0	-1.0	23.2	3.	6.6	13.29.	3.0	28.	82	6.2	70	137	21	11	2	.	.	4	.	.	16	.	.	.	.	92	55
	Osnabrück (Wst)	95	12.9	-1.0	24.8	2.	5.9	6.	2.7	6.	83	6.5	116	181	22	16	4	.	.	1	2	.	20	.	.	.	.	81	52
	Aunaturm	395	11.1		20.8	2.	6.2	24.	3.2	28.	92	6.2	129	190	22	16	3	.	.	20	1	.	14	.	.	.	.		
	Helmstedt	144	14.8	0.9	25.7	3.	6.9	25.	3.1	28.	82	6.6	73	155	17	14	3	.	.	2	.	1	19	.	2	.	.		
	Hildesheim	100	12.9	-0.9	24.0	2.	3.5	28.	2.3	28.	83	6.0	97	183	21	17	2	.	.	2	2	1	14	.	.	.	.		
	Hameln	64	13.4		24.7	2. 3.	4.6	13.	-0.5	13.	83	5.6	82	155	18	14	3	.	.	3	.	1	14	.	.	.	.		
	Salzgitter-Ringelheim	130	12.9		23.9	3.	3.9	28.	2.9	28.	81	6.4	93	198	20	13	2	.	.	3	1	1	19	.	.	.	.		
	Bad Harzburg	260	12.2	-1.5	23.6	2.	6.0	28.	5.5	28.	80	6.1	117	205	21	14	2	.	.	1	.	1	15	.	.	.	.	86	
	Hahnenklee	553	9.9	-1.8	19.7	3.	4.4	13.	0.1	28.	92		239	246	22	17	7	.	.	12	.	.	.	.	.	.	.	76	
	Schulenberg	504	10.3		20.0	3.	2.4	28.	-1.0	29.	90	6.0	227		22	17	8	.	.	8	.	1	14	.	.	.	.	93	
	Holzminden	128	13.1	-0.9	24.2	2.	5.9	29.	2.9	29.	75	6.5	146	256	20	16	4	.	.	2	3	.	19	.	.	.	.	70	
	Einbeck	105	13.5	-0.3	24.9	2. 3.	4.4	29.	3.5	29.	79	6.8	114	215	19	17	4	.	.	5	1	.	20	.	.	.	.	84	
	Bad Grund	300	11.3		21.5	3.	3.3	13.			89	6.6	146	183	20	16	7	.	.	7	1	.	18	.	.	.	.	74	
	Clausthal	563	9.8	-1.8	19.5	3.	2.6	28.			90	6.5	212	204	21	17	8	.	.	10	.	1	19	.	.	.	.	62	41
	Altenau	495	10.1		20.1	3.	1.5	28.			93	6.4	241	254	21	17	8	.	.	8	.	.	19	.	.	.	.	83	
	Holzminden-Silberborn	440	10.8		21.0	2.	4.5	6.			88	6.4	183	238	20	15	7	.	.	7	2	1	20	.	.	.	.	77	
	Braunlage (Wst)	607	9.6	-1.7	19.6	3.	3.4	28.	-1.1	28.	89	6.6	207	213	22	19	8	.	.	5	.	.	19	.	.	.	.	69	43
	Bad Lauterberg	317	11.3		22.1	2.	3.8	28.			87	6.2	139	190	20	15	6	.	.	3	.	.	15	.	.	.	.	77	
	Gottingen (Wst)	175	12.9	-0.7	24.4	1. 2.	5.5	29.	3.0	28.	82	6.7	108	230	21	15	3	.	.	2	.	1	21	.	.	.	.	76	49
	Berlin-Dahlem (Meteorol. Inst.)	51	12.8	-1.1	25.3	3.	3.8	24.	2.0	24.	81	6.0	61	133	20	11	1	.	.	1	.	.	15	.	1	.	.	102	53
	Nordrhein-Westfalen																												
22	Bad Salzuflen (Wst)	98	13.2	-0.9	25.0	2.	5.9	28.	4.4	13.	81	6.6	99	165	21	13	3	.	.	.	3	.	19	.	1	.	.	79	50
23	Munster (Wst)	62	13.3	-0.9	25.1	2.	6.0	6.	4.6	28.	84	6.5	126	210	19	13	5	.	.	3	4	.	17	.	1	.	.	69	43
24	Gutersloh	72	13.3		25.5	2.	4.4	6.	4.1	6.	86	6.4	107	170	18	15	4	.	.	.	2	.	18	.	1	.	.		
	Bocholt Liedern (Wst)	21	13.1	-1.1	25.5	2.	4.1	6.	3.1	28.	87	6.5	140	200	21	16	6	.	.	9	1	.	17	.	1	.	.	68	45
	Bad Lippspringe (Wst)	157	13.1	-1.0	24.9	2.	4.8	6.	3.1	6.	83	6.9	145	210	21	17	6	.	.	.	2	.	21	.	.	.	.	69	
	Kleve	45	13.4	-1.3	25.6	2.	7.0	24.29.	6.0	29.	87	6.7	160	239	23	17	6	.	.	4	2	.	21	.	1	.	.	51	
	Lippstadt-Bokenforde	92	13.5		25.5	2.	4.2	6.	3.0	6.	82	6.5	113		20	14	3	.	.	.	.	1	17	.	1	.	.	79	
	Borgentreich Bühne	240	12.4	-0.8	24.2	2.	4.6	29.	3.3	6.	85	7.0	118	227	22	15	5	.	.	2	2	.	21	.	.	.	.		
	Essen Bredeney (WA)	154	13.2	-1.4	24.8	2.	6.5	6.	5.0	6.	86	6.4	172	223	24	15	7	.	.	4	3	.	18	.	.	.	.	71	47
	Hagen-Fley	100	13.3		25.3	2.	4.6	6.	3.6	6.	85	6.5	150		21	17	5	.	.	1	1	.	20	.	1	.	.		
	Arnsberg	218	12.1	-0.8	23.8	2.	3.6	6.	3.2	6.	86	6.6	156	200	25	20	5	.	.	2	1	.	22	.	.	.	.	70	

Table 2 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0-10	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee fall ≥ 0,1 mm	Schnee decke ≥ 50 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Tönsvorst	39	13.6	-1.1	26.5	2.	6.2	6.	5.9	o.	89	6.1	166	275	18	16	8	.	.	.	.	1	14	.	1	.	.		
Wuppertal-Buchenhofen	128	13.1	-0.6	24.6	2.	5.5	6.	4.8	6.	86	6.4	185	215	22	17	5	.	.	2	2	.	17	.	.	.	.		
Ludenscheid	444	11.2	-1.8	22.5	2.	5.2	6.	3.9	6.	87	6.6	217	233	23	19	7	.	.	15	1	.	19	.	.	.	.	57	41
Düsseldorf (Südfriedhof)	37	14.0	-1.2	26.7	2.	7.0	23.	5.0	29.	84	6.2	126	203	20	16	6	.	.	.	4	1	14	.	1	.	.	61	41
Kahler Asten (Wst)	839	8.4	-1.9	18.8	2.	2.9	6.	1.9	6.	95	7.2	272	252	24	19	8	.	.	28	1	.	23	.	.	.	.	48	33
Köln (Bot. Garten)																												
5 — Köln-Wahn (Flugh.)	73	13.6	-0.9	27.5	2.	4.7	28.	2.3	6.	84	6.4	184	317	21	17	8	.	.	2	2	1	16	.	1	.	.	74	
Siegen	263	12.4	-0.4	24.5	2.	4.0	28.	3.6	28.	88	6.8	197	263	23	19	7	.	.	8	1	.	20	.	.	.	.	0	
Aachen (Wst)	202	13.2	-1.3	27.0	2.	6.2	6.	4.0	6.	84	6.1	197	290	22	18	7	.	.	1	4	.	14	.	1	.	.	85	53
Euskirchen	176	13.2	-1.3	26.9	2.	6.8	23.	5.8	23.	81	6.4	149	324	23	18	5	.	.	2	2	.	21	.	2	.	.		
Roetgen	440	11.3	-1.4	24.0	2.	5.6	24.	2.6	24.	87	6.1	254	279	25	21	7	.	.	4	3	1	17	.	.	.	.		
Sistig	505	11.2		24.5	2.	5.0	6.23.	3.0	28.	86	6.6	160		24	18	5	.	.	2	1	.	19	.	.	.	.	77	
Hessen																												
Arolsen	220	12.2	-0.9	24.4	2.	3.9	28.29.	1.8	29.	81	6.7	118	223	20	14	4	.	.	2	.	.	20	.	.	.	.		
11 — Witzenhausen	133	13.1	-0.7	25.0	1.	5.6	19.28.	3.9	28.	86	6.4	112	207	19	12	4	.	.	6	1	.	16	.	1	.	.		
Willingen/Upland	580	10.2	-1.3	22.2	2.	2.5	6.	1.0	6.	87	6.9	219	261	22	16	7	.	.	3	1	.	23	.	.	.	.	80	53
Kassel (Wst)	231	12.4	-1.4	24.0	1.	5.2	28.	4.0	22.	84	6.6	106	196	22	12	5	.	.	4	.	.	20	.	.	.	.	76	
Waldeck	376	11.6	-1.8	23.2	1.	6.0	23.25.	4.2	25.	86	7.0	111	241	16	13	6	.	.	6	.	.	23	.	.	.	.		
12 — Eschwege	205	12.7	-0.7	24.5	1. 2.	5.3	19.28.	2.5	28.	80	6.5	123	308	19	15	5	.	.	11	.	.	20	.	.	.	.		
Melsungen	190	12.1	-1.5	24.4	1.	5.2	28.	4.9	28.	83	6.6	145	264	21	16	6	.	.	2	1	.	18	.	.	.	.		
Frankenberg I der																												
Biedenkopf I)	290	11.7	-1.2	24.5	1. 2.	3.9	28.	2.2	28.	83	6.7	150	231	23	18	8	.	.	8	.	1	20	.	.	.	.	57	
Neukirchen-Hauptschwenda I)	500	10.7	-1.3	21.5	2.	4.3	28.	2.4	28.	89	6.7	138	216	21	17	4	.	.	16	2	1	21	.	.	.	.	47	
Bad Hersfeld (Wst)	212	12.6	-0.7	24.9	1.	5.8	28.	4.7	28.	84	6.6	134	244	21	18	3	.	.	5	1	.	19	.	.	.	.	54	36
Marburg I)	195	12.7	-1.3	26.2	1.	5.5	28.	4.4	28.	82	6.6	119	238	20	14	3	.	.	3	1	.	19	.	3	.	.	53	
Dillenburg	262	11.8	-1.4	25.0	1.	3.1	28.	3.2	28.	86	6.5	148	243	23	18	4	.	.	5	1	.	20	.	1	.	.		
Wartenberg-Angersbach	276	12.0	-1.1	24.2	1.	4.5	28.	2.1	28.	84	6.9	120	207	22	17	4	.	.	3	1	.	23	.	.	.	.		
Gießen (Lieblingshohe, Wst)	186	12.9	-1.1	25.7	1.	5.4	28.	2.9	28.	83	6.4	114	238	19	15	2	.	.	5	1	1	22	.	2	.	.	60	39
Fulda	255	12.1	-1.0	24.6	1.	3.4	28.	-0.2	28.	84	6.7	92	161	22	19	2	.	.	5	1	.	21	.	.	.	.	60	40
Schotten	315	11.8	-2.1	23.8	1.	5.8	22.	4.6	22.28.	88	6.7	176	212	20	19	6	.	.	1	.	1	21	.	.	.	.	53	34
Wasserkuppe (Wst)	921	8.0	-2.2	16.9	1.	1.9	24.	-1.0	28.	95	7.0	191	195	23	20	7	1	.	28	1	1	23	.	.	.	.	50	33
Grebenhain-Herchenhain	608	10.1	-2.1	20.9	1.	4.4	24.	1.1	28.	90	6.9	263	271	19	19	10	.	.	22	1	1	23	.	.	.	.		
Limburg/Lahn	118	13.6	-0.4	27.0	1. 2.	5.7	28.	5.5	22.	78	6.2	117	249	18	17	4	.	.	3	1	1	17	.	2	.	.	69	
Bad Nauheim	160	12.8	-1.4	25.5	1.	5.1	28.	4.2	28.	86	5.8	109	218	21	17	4	.	.	2	1	.	12	.	1	.	.		
Mittel-Gründau	155	12.9		27.1	1.	5.0	28.	4.5	28.	87	6.5	106		22	17	4	.	.	.	2	.	21	.	2	.	.	63	
3 — Kl. Feldberg/Ts. (Wst)	805	8.8	-2.4	20.8	1.	3.2	24.25.	1.5	28.	96	6.9	154	188	22	18	6	.	.	27	1	1	20	.	.	.	.	51	32
4 — Frankfurt a. M. (Stadt)																												
Wiesbaden (Süd)	145	13.4	-1.2	27.0	1. 2.	6.5	23.	3.2	23.28.	85	6.3	96	192	19	13	3	.	.	.	.	.	19	.	2	.	.		
1 — Frankfurt a. M. (Flugh.)	111	13.7	-0.8	27.8	1.	5.2	28.	1.0	24.	83	6.4	95	170	16	13	4	.	.	3	1	.	19	.	2	.	.	75	46
2 — Geisenheim (AMBF)	118	13.6	-1.2	28.1	2.	6.5	28.	4.5	23.	81	6.0	88	200	16	13	3	.	.	1	1	2	17	.	2	.	.	75	46
Darmstadt (Wst)	108	13.8	-1.8	28.8	1.	5.1	28.	2.8	28.	82	6.4	125	223	20	15	5	.	.	4	1	1	18	.	2	.	.	76	42
Lindenfels-Winterkasten	445	11.7		24.8	1.	5.0	28.	4.0	28.	87	6.5	256		21	17	7	.	.	13	1	1	21	.	.	.	.		
Beerfelden	450	11.7	-1.7	24.6	1. 2.	5.7	23.	3.0	23.	88	7.0	204	234	21	16	5	.	.	4	2	.	22	.	.	.	.	66	40
Saarland																												
Wenkirchen/Saar	368	12.3		26.4	2.	5.0	27.	3.7	27.	83	6.7	190		23	14	8	.	.	5	1	2	21	.	1	.	.		
Nennig	153	13.9	-0.7	29.2	2.	7.2	28.	5.7	28.	81	6.9	124	191	21	11	5	.	.	1	1	1	24	.	2	.	.		
Leiterswelier	420	12.1		27.3	2.	5.2	24.	4.5	28.	95	6.2	147		19	14	8	.	.	13	1	4	20	.	2	.	.		
Tholey (Wst)	396	12.1		26.5	2.	5.8	24.	4.6	28.	85	6.7	167		24	12	8	.	.	7	2	2	22	.	1	.	.	70	
Hüttersdorf	223	13.1	-0.4	28.2	2.	6.8	28.	4.5	28.	83	6.5	134	191	16	15	6	.	.	.	1	2	22	.	2	.	.		
Neunkirchen-Wellesweiler	236	13.4		29.1	2.	5.5	28.	5.3	28.	81	6.1	138	182	15	11	5	.	.	4	1	2	14	.	2	.	.		
Homburg/Saar	235	13.3	-0.6	29.0	2.	4.0	29.	2.4	29.	83	6.4	163	214	15	12	6	.	.	7	1	1	20	.	2	.	.		
Berus (Wst)	363	12.5	-1.0	27.1	2.	6.2	27.	3.4	27.	87	6.5	141	193	21	16	5	.	.	12	1	1	21	.	2	.	.	72	40
Völklingen (KW-Fenne)	167	14.1		28.6	2.	7.0	9.			85	6.0	121		21	15	5	.	.	1	1	2	13	.	2	.	.		
Saarbrücken St. Johann	193	14.0	-0.4	29.8	2.	6.3	7.	4.0	29.	78	6.3	132	200	21	14	4	.	.	2	1	.	18	.	2	.	.	68	42
Saarbrücken-Ensheim (Flugh.)	323	12.8	-1.3	27.4	2.	7.0	27.	6.0	23.27.	84	6.6	135	199	24	15	6	.	.	5	2	.	20	.	2	.	.	75	41

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rheinland Pfalz																												
Hilgenroth	290	12.1	-1.4	24.8	2.	5.0	28.	3.6	28.	89	6.4	192	256	20	16	7	.	.	2	1	.	17	.	.	.	.		
Bad Marienberg (Wst)	547	10.4	-1.8	22.3	1.	4.4	6.	0.9	6.	91	7.0	243	300	24	18	10	.	.	15	1	.	24	.	.	.	.	49	31
Bad Neuenahr-Ahrweiler	111	14.1	-0.3	29.0	2.	5.5	24.	4.5	24.	87	6.3	152	323	17	16	5	.	.	3	.	1	18	.	2	.	.	75	
Neuwied-Wolfendorf	121	13.6		27.5	2.	6.6	22.	4.7	22.	84	6.4	153	264	20	17	4	.	.	2	1	.	20	.	2	.	.		
Niederelbert	250	12.6		26.8	1.	5.0	28.	3.6	28.	85	6.5	198	283	19	17	6	.	.	4	1	.	20	.	2	.	.		
Koblenz (Süd)	72	14.3	-0.8	27.0	1.	8.0	28.	5.1	23.	85	6.9	140	298	19	16	5	.	.	.	1	.	21	.	2	.	.		
Nürburg (Wst)	627	10.3	-2.0	23.0	2.	4.2	24.	3.3	24.	90	6.9	191	324	22	18	6	.	.	17	1	.	23	.	.	.	.	70	
Mayen	270	12.9	-1.2	27.1	1.	5.4	28.	3.6	24.	84	6.1	88	196	21	16	2	.	.	2	1	1	15	.	2	.	.		
Bad Ems	77	13.9	-0.7	26.9	1.	7.9	25.	6.8	22.	88	6.8	182	331	19	19	6	.	.	2	1	2	23	.	2	.	.		
Schmetterhorsthaus	657	10.0	-1.6	23.7	2.	4.2	24.	3.0	24.	91	6.9	275	340	24	19	10	.	.	14	2	.	21	.	.	.	.		
Weibenseifen	530	10.6	-1.5	23.9	2.	5.0	24.	2.5	28.	89	7.4	189	274	23	16	9	.	.	15	1	.	25	.	.	.	.	58	
Manderscheid/Eifel	403	11.6	-1.3	26.2	2.	4.2	28.	2.4	28.	84	6.4	179	284	20	16	7	.	.	7	1	.	17	.	2	.	.	67	
Blankenrath	400	12.0	-1.1	25.5	2.	6.0	28.	3.6	28.	91	6.8	199	337	19	18	7	.	.	9	1	.	19	.	1	.	.		
Simmern-Wahlbach	440	11.5	-1.6	25.2	2.	5.0	29.	2.5	28.	88	6.6	131	247	20	15	5	.	.	3	1	.	18	.	1	.	.		
Mainz	125	13.9	-0.9	28.2	1.	6.4	28.	5.0	23.	78	6.3	89	198	20	16	1	.	.	.	.	1	20	.	2	.	.		
Bernkastel	120	14.0	-0.9	27.5	2.	7.1	28.	5.5	28.	75	6.9	129	235	21	15	4	.	.	4	.	.	22	.	2	.	.	56	38
Bad Kreuznach	159	13.6	-1.1	28.8	2.	7.0	28.	5.4	28.	80	6.8	84	195	18	9	3	.	.	2	1	.	22	.	2	.	.	63	38
Herrstein	345	11.9	-0.7	27.0	2.	4.7	27.28.	3.2	24.	85	6.1	125	227	21	11	6	.	.	2	1	.	15	.	2	.	.		
Deuselbach (Wst)	480	11.5	-1.9	25.6	2.	5.1	24.	4.2	6.28.	86	6.8	156	236	22	18	6	.	.	2	1	.	23	.	1	.	.	74	41
Trier (Stadt)	144	13.9	-0.8	28.0	2.	7.3	27.28.	6.0	24.	82	6.2	122	200	19	14	4	.	.	1	.	1	17	.	2	.	.	61	
Trier-Petrisberg (WA)	265	12.9	-1.5	28.0	2.	6.3	28.	5.8	28.	84	6.6	137	236	21	13	4	.	.	9	1	.	20	.	2	.	.	70	45
Alzey																												
Birkenfeld-Feckweiler	395	11.5	-1.1	26.4	2.	4.7	27.28.	2.8	28.	86	6.7	186	270	18	14	7	.	.	2	1	2	20	.	1	.	.		
Ruppertsecken	488	11.7		27.0	2.	5.2	24.	4.9	24.	84	6.3	142	268	21	13	6	.	.	3	.	1	18	.	2	.	.		
35 Kaiserslautern	248	13.3	-1.3	28.8	2.	6.0	28.	4.0	28.	83	6.8	97	167	18	13	4	.	.	1	1	.	20	.	2	.	.	80	
Weinbiet (Wst)	553	11.3	-2.0	26.8	2.	4.8	24.	4.4	23.27.	87	6.5	75		20	14	2	.	.	18	1	1	20	.	2	.	.	89	52
Neustadt/Wstr. (Hendelhof)	125	14.2	-0.6	28.0	1.	5.8	28.29.	2.9	28.	79	6.2	53		13	11	2	.	.	1	1	1	16	.	2	.	.	90	
Pirmasens	280	12.1		26.5	2.	4.5	29.	2.6	28.	88	6.1	136	186	21	13	5	.	.	4	.	2	17	.	2	.	.		
Bad Bergzabern (1)	180	13.7	-1.2	28.0	2.	6.0	28.	5.0	28.	86	5.4	106	158	15	12	4	.	.	1	1	.	7	.	4	.	.	100	
Baden-Württemberg																												
Wertheim/Eichel	140	12.6	-1.4	26.2	1. 2.	5.9	28.	5.5	25.	81	5.2	100	164	19	17	2	.	.	6	1	1	5	.	3	.	.		
Landa/Königshofen/Gerlachsheim	199	13.4		27.1	2.	3.9	28.	3.6	28.	81	6.1	81	153	20	16	3	.	.	5	1	.	16	.	4	.	.		
Mannheim (Wewa)	96	14.2	-1.0	29.0	1.	6.4	23.	2.6	23.	81	6.2	99	174	19	14	4	.	.	3	.	1	16	.	4	.	.	92	51
Buchen, Kr. Neckar-Odw.	350	12.3	-0.8	26.0	2.	3.3	28.	2.8	28.	83	6.4	107	178	20	17	3	.	.	4	1	1	19	.	2	.	.	88	50
Bad Mergentheim-Neunkirchen	250	12.8	-0.9	27.1	2.	4.4	28.	3.1	28.	83	6.0	96	185	21	15	3	.	.	4	1	2	16	.	4	.	.		
Eberbach/Neckar	176	12.8	-1.2	26.7	2.	6.4	28.	4.8	23.	84	6.9	181	248	19	18	3	.	.	1	.	1	25	.	2	.	.		
Heidelberg (1)	*111*	*14.7*	*-1.1*	*28.2*	*1.*	*8.6*	*27.*	*8.4*	*26.*	*78*	*6.1*	*120*	*185*	*19*	*16*	*4*	*.*	*.*	*.*	*.*	*2*	*18*	*.*	*3*	*.*	*.*	*76*	*45*
Neudenau	210	13.3	-1.3	28.7	2.	6.2	28.	5.5	28.	87	5.7	143	231	19	16	4	.	.	7	1	1	12	.	4	.	.		
Ingelfingen	209	13.2	-0.5	26.7	2.	5.4	28.	4.6	28.	81	6.3	109	163	19	14	2	.	.	4	1	.	16	.	3	.	.		
Philippsburg	100	14.5	-0.6	28.0	1. 2.	6.5	27.	6.0	27.	79	6.5	78	113	18	15	2	.	.	1	.	.	19	.	4	.	.		
Ohringen (Wst)	276	12.9	-1.4	26.5	2.	7.0	26.	4.6	19.	85	6.3	164	241	19	16	5	.	.	1	2	1	19	.	3	.	.	101	55
Heilbronn	167	13.7	-1.4	27.7	1.	7.4	28.	6.2	27.	88	6.2	103	166	17	15	2	.	.	1	1	1	17	.	4	.	.		
Eppingen	210	13.5	-0.6	27.3	2.	6.1	27.	4.0	27.	85	6.0	132	210	20	16	5	.	.	5	2	1	15	.	3	.	.		
Crailsheim	418	12.0	-1.2	26.5	4.	3.9	28.	3.1	28.	81	6.1	133	208	19	16	4	.	.	2	2	.	15	.	3	.	.		
Schwäbisch Hall-Teurershof	379	12.5		26.0	2.	5.7	28.	3.7	28.	85	6.4	153		19	16	6	.	.	6	3	.	18	.	2	.	.	109	
Karlsruhe (Wst)	112	14.4	-0.8	30.0	2.	6.5	27.	3.4	27.	82	6.3	120	182	18	13	4	.	.	3	3	1	19	1	4	.	.	103	57
Durlach-Turmberg, Kr. Karlsruhe	116	14.5	-0.5	28.6	2.	7.1	28.	5.9	24.	88	6.9	158	226	17	15	6	.	.	12	.	.	22	.	5	.	.		
Mosthardt	344	12.1	-1.1	25.5	4.	5.2	27.	4.8	27.	85	5.8	160	195	18	18	6	.	.	4	2	4	16	.	2	.	.		
Ellwangen Jagst	443	12.1	-0.7	26.6	4.	5.9	28.	3.4	28.	82	6.3	96	141	19	16	2	.	.	2	.	.	16	.	3	.	.	115	66
Oschwend, Kr. Ostalb	492	11.6	-1.3	25.9	2.	4.4	27.	3.0	27.	83	6.0	151	180	19	17	7	.	.	7	2	1	19	.	2	.	.		
Pforzheim	245	13.4	-0.2	28.9	2.	4.2	27.	2.0	27.	82	6.0	92	130	19	16	4	.	.	1	1	2	16	.	4	.	.	105	

Table 2 ctd.

Station	Höhe über NN m	Lufttemperatur °C Mittel	Abweichung	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 8	Niederschlag Höhe in mm	in %	Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee Fall ≥ 0,1 mm	Schnee liegende ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in %
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Stuttgart (Schnarrenberg)	314	13.6	-1.2	27.3	2.	6.3	27.	2.6	27.	78	6.2	62	100	18	12	1	.	.	4	1	.	19	.	4	.	.	117	
Bad Herrenalb	351	12.4	-0.7	27.2	2.	5.4	26.	3.0	28.	85	6.6	106	166	21	16	10	.	.	13	2	.	19	.	2	.	.	73	
Dobel	717	11.0	-1.8	23.5	2.	4.0	24.	3.0	27.	86	6.4	217	195	21	18	10	.	.	4	.	.	19	.	.	.	.	93	
Schömberg, Kr. Calw	633	11.0	-1.7	25.5	2.	3.5	24.	2.5	27.	86	6.3	158	184	20	16	8	.	.	5	.	1	20	.	1	.	.	101	55
Schwabisch Gmünd-Straßdorf	415	12.7	-1.2	27.0	2.	6.2	27.	4.9	27.	82	5.9	102	123	18	16	3	.	.	3	1	3	17	.	3	.	.		
Wildbad (Stadt)	417	12.0	-1.0	26.9	2.	4.6	28.	2.0	28.	85	5.8	177	174	20	17	7	.	.	1	1	4	19	.	2	.	.		
Stuttgart (WA)																												
Baden-Baden	218	13.7	-1.0	28.4	2.	6.4	28.	5.8	28.	84	6.0	199	197	20	18	8	.	.	7	1	3	16	.	4	.	.		
Wildbad-Sommerberg	740	10.9	-2.0	24.8	2.	3.0	24.	1.5	27.	84	6.4	205	193	21	17	8	.	.	10	.	.	18	.	.	.	.	110	
Bühlertal	190	14.3	-1.3	29.4	2.	7.5	28.	4.8	28.	73	6.0	226	202	18	17	9	.	.	1	.	2	18	.	4	.	.		
Freistett (Marwald)	131	13.7	-0.8	29.2	2.	6.3	28.	5.5	28.	86	6.2	186		19	17	8	.	.	3	1	2	18	.	4	.	.	88	
Enzklösterle 1)	606	10.8		25.9	2.	3.0	28.	0.5	28.	80	6.1	211	197	20	18	10	.	.	7	1	2	18	.	1	.	.	93	
Stotten (Wst)	734	10.8	-1.8	23.9	2.	3.2	27.	1.9	27.	85	6.1	133	148	19	18	4	.	.	15	1	1	17	.	.	.	.	114	66
Heidenheim/Brenz	500	11.2	-1.6	25.7	2.	2.0	7.	1.2	27.	87	6.2	109	154	21	17	3	.	.	7	1	.	17	.	2	.	.	101	
Nurtingen-Oberensingen	280	12.1	-1.8	29.0	2.	3.0	28.	2.5	28.	77	6.0	87		19	14	3	.	.	4	.	1	18	.	4	.	.	86	
Hornisgrinde	1122	8.0	-2.2	23.1	2.	0.5	24.	2.0	24.	95	6.9	338	207	21	20	13	3	.	24	2	1	24	.	.	.	.	74	
Nagold	392	12.1	-1.3	28.0	2.	5.0	25.	3.0	25.	87	5.4	126	183	19	17	3	.	.	2	.	5	17	.	3	.	.		
Lenningen-Schopfloch	758	10.9	-1.7	24.2	2.	4.0	24.	3.0	24.	81	6.4	115	128	19	17	2	.	.	6	.	2	21	.	.	.	.		
Laichingen	747	10.9	-1.1	24.2	2.	3.6	7.	1.8	7.	80	5.7	118	153	22	18	2	.	.	6	1	3	16	.	.	.	.	133	
Rottenburg	342	13.0		29.2	2.	5.7	29.	3.5	29.	78	6.4	59		16	12	1	.	.	2	.	.	21	.	4	.	.	121	
Offenburg	155	14.3	-0.8	29.8	2.	7.9	28.	5.5	28.	83	6.4	155	176	21	18	5	.	.	1	1	2	19	.	4	.	.		
Freudenstadt (Wst)	797	10.1	-1.8	24.1	2.	3.0	24.	2.3	28.	87	6.3	241	208	21	18	8	.	.	5	.	3	19	.	.	.	.	115	66
Gengenbach	185	13.8	-1.3	29.6	2.	8.1	22.	6.2	28.	85	6.2	152	154	20	19	5	.	.	3	3	2	19	.	4	.	.		
Munsingen	721	10.6	-1.2	25.6	2.	2.9	7.	1.8	7.	80	6.1	122	156	20	16	3	.	.	7	1	2	18	.	1	.	.		
Hechingen	520	12.2	-1.3	28.4	2.	4.6	25.	3.4	25.	79	5.7	88	106	17	14	2	.	.	4	.	4	15	.	2	.	.		
Ulm (Wst)	522	12.0	-1.0	27.4	2.	4.7	7.	3.7	7.	82	5.8	100	147	19	13	4	.	.	5	2	2	16	.	4	.	.	130	75
Lahr/Schw.	158	14.6	-0.7	30.2	2.	6.9	28.	4.1	28.	79	6.3	117	144	18	17	3	.	.	3	2	4	19	1	4	.	.	103	
Wolfach	265	13.3	-1.1	29.2	2.	7.8	26.27.	7.0	7.	82	6.5	207	201	20	18	7	.	.	13	.	2	21	.	5	.	.	96	
Albstadt-Ebingen	712	10.7		26.0	2.	3.3	7.	0.4	25.	77	5.6	108	130	18	13	3	.	.	7	1	4	17	.	1	.	.		
Ottoschwanden	442	12.8		26.9	2.	6.6	25.	6.1	22.	84	5.9	162	169	18	16	8	.	.	9	3	4	17	.	2	.	.	99	
Wellendingen																												
Emmendingen-Mundingen	201	13.5		30.0	2.	5.5	28.	3.9	28.	83	6.2	149	177	18	16	8	.	.	1	2	4	19	1	4	.	.		
Schonach	904	9.8		23.0	2.	3.4	24.			88	6.1	274		20	18	11	.	.	3	.	4	18	.	.	.	.	110	
Triberg	683	10.6	-1.8	24.6	2.	4.2	25.	1.0	25.	87	6.1	246	208	20	18	10	.	.	2	.	4	20	.	.	.	.		
Triberg (Kurpark)	700	11.0		25.4	2.	4.0	24.25.			83	5.6	228		18	17	10	.	.	1	.	7	17	.	1	.	.	83	
Königsfeld/Schw.	787	10.5	-1.4	26.5	2.	2.0	25.			86	5.9	104	116	19	15	2	.	.	.	.	3	16	.	1	.	.	110	63
Biberach/Riß	534	12.4	-0.7	26.9	3.	5.8	7.	4.5	7.25.	82	5.8	154	208	17	16	7	.	.	4	1	4	16	.	4	.	.		
Schonwald/Schw.	1005	9.3		23.7	2.	2.0	24.			85	6.0	277		22	17	12	.	.	8	.	4	19	.	.	.	.	99	
Klippeneck (Wst)	973	9.8	-1.1	25.3	2.	2.4	24.	1.9	25.	88	5.9	112	144	19	14	3	.	.	13	1	2	18	.	1	.	.	122	65
Oberrotweil 1)	223	14.2	-0.7	30.2	2.	5.9	26.	4.0	26.	80	5.6	109	151	18	14	5	.	.	1	1	3	12	1	4	.	.	112	
Sigmaringen	650	11.3	-1.5	26.4	2.	2.5	25.	-0.6	7.	81	6.0	91	126	19	14	2	.	.	3	2	3	19	.	4	.	.		
Lilienthal bei Ihringen	284	12.9	-1.3	29.0	2.	6.4	28.	5.0	28.	86	5.8	126	150	17	16	6	.	.	4	.	4	16	.	4	.	.	84	
Villingen	698	10.7	-1.1	27.3	3.	2.4	25.	-0.5	25.	84	6.2	104	141	17	17	3	.	.	9	.	3	18	.	2	.	.		
Freiburg i. Br.-Herdern	255	14.4	-1.2	30.2	2.	6.7	28.	4.0	28.	77	6.1	163	172	19	18	6	.	.	2	.	4	19	1	4	.	.		
Bad Dürrheim	718	10.8	-1.0	25.0	2.	3.0	25.			83	5.4	86	126	17	15	3	.	.	4	1	4	14	.	1	.	.	111	
Freiburg i. Br. (Wa)	269	14.7	-0.9	30.6	2.	7.5	26.	6.5	28.	75	6.1	166	193	18	18	6	.	.	2	2	3	19	1	4	.	.	104	
Sankt Märgen	900	10.2	-2.4	24.5	2.	3.0	24.26.			86	6.1	233		22	19	11	.	.	15	.	4	19	.	.	.	.		
Mengen i. Br.	215	14.5	-0.4	31.0	2.	7.4	29.	6.8	29.	81	6.1	116	163	19	16	4	.	.	1	.	3	17	1	4	.	.		
Aulendorf	571	11.9	-1.1	26.1	2.	4.4	29.	3.2	29.	86	6.3	185	234	18	17	7	.	.	7	1	2	21	.	3	.	.	120	70
Donaueschingen 1)	677	11.0	-1.3	25.9	2.	3.0	25.	-0.3	25.	85	6.1	118	176	19	15	3	.	.	8	2	4	19	.	1	.	.	117	
Neustadt-Schw. 1)	835	9.6	-1.7	24.2	2.	2.4	29.	0.6	25.	86	6.1	173	170	21	19	7	1	.	7	1	3	20	.	.	.	.	107	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Friedenweiler	924	9.9		25.6	2.	2.8	25.			83	5.5	153		18	18	5	.	.	1	.	5	17	.	1	.	.	108	
	Pfullendorf	668	11.5	-1.3	25.8	2.	5.0	7.26.	3.8	7.	82	5.0	170	205	19	16	6	.	.	7	1	3	11	.	3	.	.		
	Bremgarten (BW)	212	14.4		30.7	2.	6.8	29.	5.3	29.	75	5.8	105	150	18	16	4	.	.	5	2	2	15	1	4	.	.	104	
	Hinterzarten	883	9.3	-2.0	24.6	2.	1.5	28.			87	5.9	209	205	19	19	7	.	.	5	.	4	17	.	.	.	.	104	
	Titisee	860	9.7		24.7	2.	2.5	7.			85	6.3	184	177	20	17	5	.	.	4	.	1	19	.	.	.	.	91	
	Obermunstertal	545	12.3		28.2	2.	5.7	7.			80	6.2	227	216	19	18	9	.	.	2	1	4	21	.	2	.	.	84	
	Feldberg Schw. (Wst)	1486	6.1	-2.3	18.7	3.	-1.0	24.	-1.2	30.	93	6.7	285	194	22	21	14	12	5	26	2	2	24	.	.	4	.	85	55
	Lenzkirch	818	10.1	-1.3	26.2	2.	2.3	7.			86	5.7	181	193	18	17	6	.	.	7	1	4	17	.	1	.	.	108	69
	Aach, Kr. Konstanz	478	12.1	-1.4	29.0	2.	4.0	7.	1.8	7.	83	6.2	113	155	18	14	4	.	.	5	2	3	19	.	4	.	.		
	Stockach	475	12.0		26.5	2.	4.5	7.	4.1	7.	85	5.9	150	183	20	14	7	.	.	14	1	3	16	.	3	.	.		
	Menzenschwand	885	9.7	-1.2	24.9	2.	0.3	13.			82	6.1	313	227	22	19	10	1	.	.	.	2	21	.	.	.	.		
	Schluchsee	963	9.4	-1.5	25.1	2.	2.0	24.			88	5.7	228	205	21	19	8	2	.	.	1	5	17	.	1	.	.	120	
	Badenweiler	412	13.7	-1.1	29.2	2.	6.9	24.	6.4	24.	78	6.0	151	154	19	17	7	.	.	4	1	3	17	.	4	.	.	92	
	Friedrichsheim	852	10.1	-2.3	24.7	2.	3.5	24.	3.5	7.24.	89	6.2	275	188	20	19	11	.	.	11	.	3	20	.	.	.	.		
	Ravensburg 1)	435	12.8	-1.1	27.6	2.	5.8	28.	3.7	7.	81	5.9	247	271	19	16	9	.	.	6	4	2	18	.	4	.	.	126	73
	Sankt Blasien 1)	785	10.5	-0.7	26.1	2.	3.3	7.	3.0	24.	88	5.7	260	228	20	19	10	.	.	.	.	.	6	.	2	.	.	101	60
	Hochenschwand	1008	9.5	-2.2	23.7	2.	2.1	24.	0.5	7.	86	5.8	236	209	19	17	8	.	.	9	1	3	16	.	.	.	.	112	
33 —	Radolfzell	400	13.3	-1.5	26.2	2.	6.4	7.			83	5.9	144	209	18	16	6	.	.	20	1	3	18	.	4	.	.		
	Konstanz (Wewa)	443	13.0	-1.3	27.2	1.	6.2	7.	4.3	7.	83	6.2	165	204	24	14	5	.	.	4	4	2	19	.	4	.	.	122	73
	Isny 1)	691	10.9	-1.6	24.4	2.	2.2	28.	1.2	28.	84	5.9	354	228	21	18	11	.	.	2	3	4	17	.	.	.	.	120	
	Wutoschingen	383	12.9	-0.9	29.0	2.	6.0	8.	5.5	7. 8.	83	6.2	179	216	18	16	10	.	.	2	1	2	18	.	4	.	.		
	Schoptheim	400	12.5	-1.6	29.5	2.	6.2	7.28.	5.4	28.	86	6.0	215	195	20	18	10	.	.	6	2	3	19	.	3	.	.		
	Ernskirch-Wolfzennen	408	12.9		27.9	2.	4.9	29.	3.5	29.	80	6.2	275	296	20	14	10	.	.	3	3	.	16	.	4	.	.	115	
	Fimeldingen	264	14.1		30.5	2.	7.2	24.	6.8	24.	82	5.8	130	167	19	17	5	.	.	4	2	3	18	1	4	.	.		
	Waldshut	330	13.3	-1.5	30.1	2.	6.5	25.	5.0	25.	83	5.9	193	219	19	16	10	.	.	.	.	3	19	1	4	.	.		
	Jungholz (Kuhmoos)	728	10.7		26.4	2.	4.0	7.			85	6.3	240	224	19	18	10	.	.	15	1	2	21	.	1	.	.		
	Rheinfelden	287	14.0	-1.2	31.0	2.	7.9	7.	7.1	28.	80	6.0	215	242	20	17	9	.	.	3	2	3	20	1	5	.	.	113	
	Bad Sackingen	355	13.3		28.8	2.	6.8	7.			82	6.0	220	262	19	17	10	.	.	6	1	.	15	.	3	.	.	108	
	Bayern																												
	O.Theim/Rhon	315	11.8		25.0	1.	4.1	29.	3.5	19.29.	82	7.1	72	167	21	17	1	.	.	.	.	.	23	.	1	.	.		
	Wickendorf	560	10.1	-1.9	21.6	1.	2.6	19.	1.0	19.	88	6.5	159	237	20	18	4	.	.	12	1	.	20	.	.	.	.		
	Langenleiten	520	11.3	-2.2	23.0	1.	6.0	24.	4.6	28.	82	6.9	147	199	20	17	5	.	.	7	1	.	22	.	.	.	.		
	Hof Hohensaas (Wst)	567	10.5	-1.2	22.6	4.	2.4	19.	0.6	19.	87	6.3	94	181	21	16	2	.	.	11	2	1	17	.	.	.	.	93	56
25 }	Coburg (Wst)	337	12.2	-1.2	24.7	1.	5.3	19.	4.0	19.	85	6.5	122	222	18	16	5	.	.	3	3	.	18	.	.	.	.	76	45
	—Kronach	305	12.4	-0.8	24.0	1.	4.8	19.	4.0	19.	81	7.0	128	221	18	17	6	.	.	4	2	.	23	.	.	.	.		
26 }	Bad Kissingen (Wst)	262	12.5	-1.0	25.4	1.	5.5	28.	2.9	28.	84	6.4	93	186	19	17	3	.	.	3	1	.	17	.	2	.	.	75	48
	Selb/Ofr. 1)	583	10.4	-1.0	22.2	4.	3.6	28.	0.5	28.	83	5.8	104	189	16	15	5	.	.	5	1	1	14	.	.	.	.	74	49
	Oelschnitz	553	10.4	-1.4	23.2	2.	2.4	28.	1.0	28.	89	6.5	162	203	23	17	7	.	.	10	2	.	18	.	.	.	.		
	Kahl/Main	110	13.4	-1.3	27.5	1.	4.6	28.	0.5	28.	80	6.6	68	121	20	13	2	.	.	.	1	.	21	.	2	.	.		
	Schweinfurt	240	12.6	-1.7	26.2	1.	3.2	28.	3.0	28.	83	6.1	79	172	18	15	2	.	.	.	1	.	16	.	2	.	.		
	Steinbach b. Lohr/Main	161	12.7	-0.9	26.4	1.	6.2	28.	5.6	28.	85	6.8	115	198	21	16	3	.	.	5	1	.	20	.	2	.	.		
	Fichtelberg/Ofr.	705	10.0	-1.8	20.8	4.	3.5	28.	3.0	28.	85	6.4	227	280	19	17	7	.	.	17	2	1	18	.	.	.	.		
	Bayreuth	330	12.2	-0.8	25.4	4.	3.6	19.	2.4	28.	87	6.7	116	207	18	18	4	.	.	9	2	.	19	.	1	.	.	89	54
27 —	Bamberg (Wst)	239	12.8	-0.9	26.3	4.	3.5	28.	4.0	28.	83	6.6	91	182	18	14	3	.	.	5	2	.	20	.	4	.	.	93	59
	Tirschenreuth	515	11.0	-1.5	22.9	3. 4.	3.0	19.	2.5	19.	84	6.8	105	202	17	14	3	.	.	19	2	.	20	.	.	.	.		
	Wurzburg (Wewa)	268	12.7	-1.7	26.0	1.	3.6	28.	3.3	28.	83	6.4	69	130	18	16	1	.	.	4	1	.	18	.	2	.	.	87	52
28 —	Gofweinstein	450	11.7	-1.0	24.2	4.	1.6	28.	1.0	28.	73	5.7	138	212	18	16	5	.	.	4	2	1	15	.	.	.	.		
	Allglashutte	750	9.9	-1.7	21.3	4.	2.8	28.	0.0	28.	88	6.2	169	204	16	16	5	.	.	13	1	.	16	.	.	.	.		
	Miltenberg	127	13.2		27.0	1.	6.0	28.	3.8	28.	83	6.7	105	188	19	17	4	.	.	5	1	.	21	.	3	.	.		
	Weiden/Opf. (Wst)	438	11.9	-1.2	24.9	4.	1.9	28.	0.7	28.	86	6.7	86	154	16	15	3	.	.	5	1	.	19	.	.	.	.	103	61
	Erlangen	270	13.1	-0.5	26.3	4.	3.2	28.	2.6	28.	80	5.8	86	172	18	17	2	.	.	5	.	.	15	.	3	.	.	103	73
	Neustadt/Aisch	333	12.5	-1.1	25.9	4.	2.2	28.	1.9	28.	82	6.1	88	169	19	16	3	.	.	2	2	.	17	.	2	.	.		

Table 2 ctd.

	Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0–8	Niederschlag: Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schneefall *0,1 mm	Schneedecke *0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % *)
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Uffenheim	340	12.2	-1.5	25.3	4.	4.3	28.	3.1	28.	79	6.3	90	173	18	13	3	.	.	1	2	1	19	.	1	.	.		
30	Nürnberg-Kraftshof (Flugh.)	310	13.2	-0.6	26.4	4.	3.2	28.	2.6	28.	80	6.1	86	187	19	13	3	.	.	2	2	.	15	.	3	.	.	110	63
	Pommelsbrunn																												
	Oberviechtach	498	11.1	-1.4	23.9	3.	0.1	28.	-1.6	28.	87	6.5	148	224	17	16	5	.	.	3	2	.	15	.	.	.	.		
29	Amberg	386	12.0	-1.4	25.0	4.	2.0	28.	1.4	28.	87	6.1	102	217	16	14	2	.	.	5	.	.	17	.	1	.	.	105	
	Rothenburg o.d. Tauber	406	12.0	-1.4	26.2	1. 2.	2.3	28.	1.6	28.	86	6.0	77	138	19	14	1	.	.	2	2	.	15	.	3	.	.		
	Schwandorf	372	12.1	-1.0	26.0	4.	2.9	28.	1.3	28.	84	6.0	106	193	17	15	4	.	.	6	4	.	14	.	2	.	.		
	Ansbach-Claffheim	481	11.6		24.6	4.	3.8	28.	2.2	28.	87	6.2	88		19	18	2	.	.	6	2	1	18	.	.	.	.	113	
	Roth b. Nürnberg	340	12.7	-0.9	27.0	2. 4.	3.0	28.	1.5	28.	82	5.7	92	188	19	17	3	.	.	4	2	1	14	.	4	.	.		
	Cham	420	12.4	-1.2	26.8	3.	4.5	28.	3.2	28.	81	5.8	131	252	18	16	7	.	.	4	5	1	15	.	2	.	.	107	66
	Parsberg/Opf.	542	11.6	-1.8	23.9	2.	4.0	28.	3.2	28.	85	5.6	115	169	19	15	3	.	.	6	2	1	15	.	.	.	.		
	Höllenstein-Kraftwerk	403	11.3	-1.1	25.6	3.	4.5	29.	2.5	29.	90	6.2	157	242	18	16	7	.	.	10	4	.	18	.	1	.	.		
	Großer Arber (Wst)	1437	6.0		17.4	3.	-0.4	26.			90	6.1	358		19	17	14	5	.	26	3	.	15	.	.	2	.	89	
	Regensburg (Wst)	366	12.5	-1.3	27.6	3.	3.7	28.	2.3	28.	86	6.1	104	200	18	16	2	.	.	4	4	1	18	.	4	.	.	112	66
	Weißenburg/Bay. (Wst)	422	12.4	-1.0	26.3	4.	4.0	28.	2.3	28.	84	6.0	84	142	19	15	2	.	.	3	3	.	16	.	4	.	.	119	64
	Eichstätt	397	12.6		26.2	3.	3.5	8.	3.3	8.	84	6.2	119	216	20	15	3	.	.	8	3	.	17	.	3	.	.		
	Nördlingen	425	12.4	-0.6	27.0	4.	4.3	7.	3.0	7.	80	5.9	79	139	19	16	2	.	.	3	2	1	14	.	4	.	.	75	
	Metten	313	12.0	-1.2	28.1	3.	3.6	28.	1.1	28.	86	6.1	169	249	19	15	6	.	.	2	2	2	16	.	3	.	.	98	
	Kosching	417	11.4	-2.3	26.5	3.	3.1	8.	2.7	8.	89	6.9	128		18	15	3	.	.	6	2	.	20	.	3	.	.	109	
	Freyung v. Wald	645	10.6	-1.9	26.3	3.	2.1	28.	2.2	28.	89	5.7	228	265	19	17	7	.	.	8	2	4	15	.	1	.	.		
	Mallersdorf/Ndb.	410	12.6	-0.8	27.8	3.	4.5	28.	3.0	28.	80	6.2	114	184	16	13	5	.	.	2	1	.	15	.	3	.	.		
	Karlsheim-Neuhof	516	11.8	-1.4	25.9	2.	4.4	27.	1.4	27.	80	5.8	99	150	18	17	4	.	.	7	3	.	14	.	3	.	.		
	Karlshuld	374	12.4	-0.6	26.9	3.	3.5	7.28.	0.4	27.	82	6.1	119	205	17	13	4	.	.	7	1	1	17	.	4	.	.	119	
	Mainburg	450	12.4		27.2	3.	5.1	27.	2.0	28.	80	5.7	146	215	18	14	4	.	.	5	2	1	15	.	3	.	.	118	
	Dillingen/Donau	435	12.7	-0.9	27.5	2.	3.6	7.	1.0	27.	76	5.7	113	161	17	13	4	.	.	5	2	1	12	.	4	.	.		
31	Passau-Oberhaus (Wst)	409	12.1	-1.6	28.3	3.	4.4	28.	2.6	25.	87	6.0	152	220	17	15	7	.	.	13	3	.	17	.	2	.	.	104	60
32	Kumhausen	436	12.3	-1.1	28.2	3.	4.9	25.27.	3.6	25.27.	82	5.3	136	216	18	13	4	.	.	3	1	2	11	.	4	.	.	122	
	Falkenberg, Kr. Rottal-Inn	490	12.3	-1.5	28.0	3.	5.0	27.	3.9	25.	84	5.6	141	220	20	16	4	.	.	4	1	1	13	.	3	.	.		
	Augsburg-Mühlhausen (Wst)	461	12.5	-1.3	26.4	3.	4.1	7.	3.0	27.	81	5.6	130	183	16	13	6	.	.	4	3	1	15	.	3	.	.	132	73
	Weihenstephan (AMBF)	467	11.8	-1.2	27.1	3.	3.0	27.	0.9	27.	85	6.0	136	186	18	15	4	.	.	5	2	1	15	.	4	.	.	126	69
	Simbach/Inn	360	12.5		29.0	3.	5.0	28.	0.0	27.28.	83	6.1	128	171	19	17	7	.	.	6	2	.	17	.	3	.	.	108	
	Krumbach-Edenhausen	520	12.0	-0.9	25.8	3.	4.0	7.	0.3	7.	83	5.3	191	230	18	17	7	.	.	1	1	2	13	.	4	.	.	132	
	Mühldorf/Inn (Wst)	401	12.5	-1.1	28.9	3.	3.6	27.	0.6	27.	84	5.9	139	190	20	16	4	.	.	5	3	1	16	.	3	.	.	116	68
	München-Nymphenburg	515	12.3	-1.1	26.5	3.	5.2	27.	0.4	27.	81	5.6	175	208	17	13	6	.	.	.	2	1	13	.	3	.	.	136	77
	München-Riem (Flugh.)	527	12.2	-1.1	26.7	3.	5.3	25.	1.3	28.	81	5.4	168	193	17	14	6	.	.	7	2	3	14	.	3	.	.	129	72
	Kaufering	585	11.8		25.5	2.	4.7	7.	4.1	7.	82	5.4	200		20	15	5	.	.	2	3	1	13	.	1	.	.		
	Ebersberg	573	11.8		26.7	3.	5.0	25.	3.8	25.28.	86	5.6	181	201	19	18	7	.	.	7	6	1	16	.	2	.	.		
	Trostberg	487	12.7	-1.0	29.4	3.	5.4	25.	2.5	25.	79	5.6	157	174	20	17	5	.	.	2	4	3	15	.	4	.	.		
	Memmingen	595	12.0	-0.8	26.0	2.	4.7	7.	1.6	28.	81	5.8	217	238	19	16	8	.	.	.	4	2	15	.	1	.	.		
	Kaufbeuren	720	11.6	-0.9	24.2	2.	3.4	7.	1.4	7.	82	5.7	258	250	16	15	9	.	.	.	2	2	16	.	.	.	.		
	Attenkam	665	10.9	-2.1	25.4	3.	3.8	6.	2.6	28.	77	5.5	179	179	21	15	4	.	.	2	2	3	13	.	2	.	.		
	Kötzing I)	611	12.1	-1.1	27.3	3.	5.6	24.	4.8	25.	80	5.9	168	124	21	17	6	.	.	1	4	1	19	.	1	.	.	132	
	Rosenheim	446	13.0	-0.8	28.5	3.	5.3	30.	4.4	30.	84	5.8	146	137	17	15	6	.	.	1	2	1	16	.	5	.	.	111	
	Hohenpeißenberg (Observatorium)	977	10.3	-1.8	23.7	2.	2.0	6.	1.4	7.	82	5.9	221	199	20	16	7	.	.	12	3	1	15	.	.	.	.	131	73
	Kempten (Wst)	705	11.1	-1.2	25.3	2.	3.2	7.	1.1	7.	84	5.9	291	235	21	19	10	.	.	1	5	2	18	.	1	.	.	136	78
	Wendelstein (Wst)	1832	5.2	-2.3	19.8	3.	-2.4	24.26.	-4.3	26.	88	6.2	173		21	18	6	13	9	25	3	2	17	.	.	9	1	99	60
	Reit im Winkl	695	10.9	-1.6	26.8	3.	3.3	25.	1.9	25.	87	5.6	266	181	21	18	7	.	.	2	4	3	14	.	.	.	.	132	
	Schwangau-Horn I)	796	11.1	-1.0	25.5	3.	2.6	7.	1.9	7.	79	5.4	226	170	18	16	7	.	.	1	3	4	13	.	1	.	.		
	Garmisch-Partenkirchen (Wst)	719	10.7	-1.7	26.8	3.	2.2	28.	-0.3	28.	85	5.7	230	187	19	17	7	.	.	.	4	1	17	.	1	.	.	137	80
	Zugspitze (Wst)	2960	-1.9	-2.5	12.1	3.	-9.8	22.			90	5.9	300	211	21	20	8	19	30	26	4	2	16	.	.	25	14	136	77
	Oberstdorf (Wst)	810	10.2	-1.5	26.4	2.	1.6	7.	-1.1	7.	85	5.7	333	207	22	17	12	.	.	.	5	3	16	.	2	.	.	110	71

Table 2 ctd. (air temperature in °C) September 1984

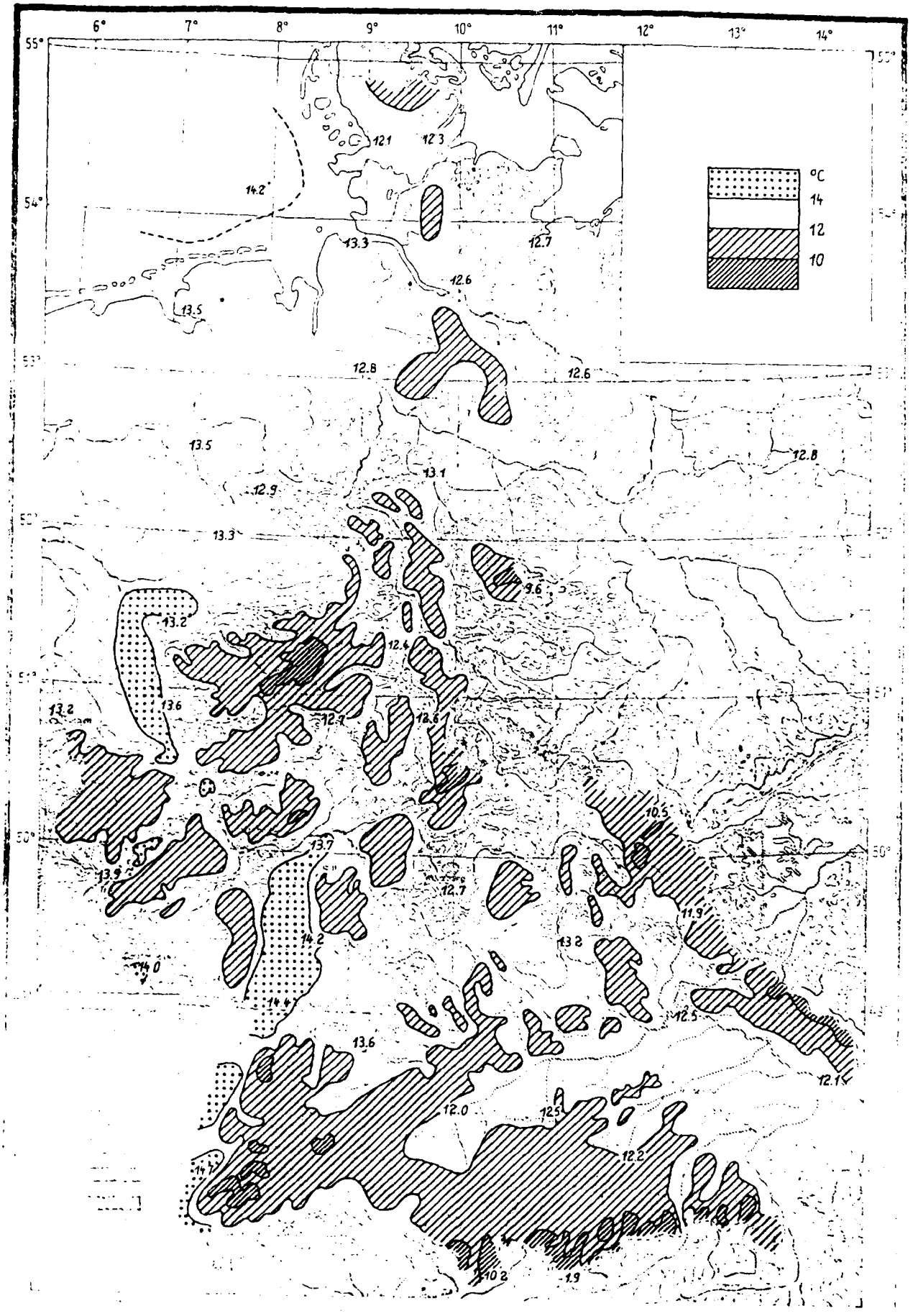


Table 2 ctd. (precipitation in mm) *September 1984*

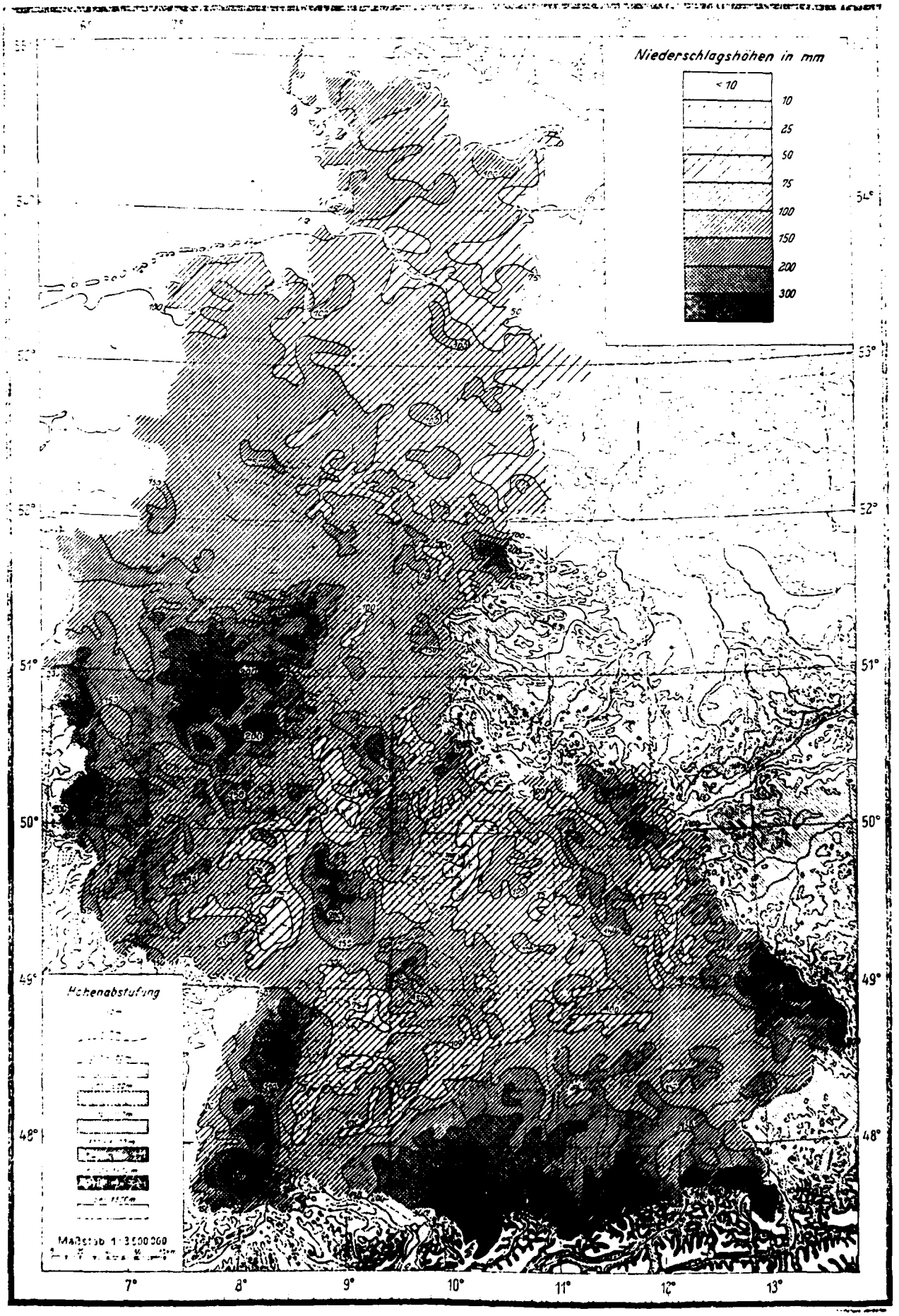


Table 2 ctd. (precipitation in % of 1931 – 1960 mean values)

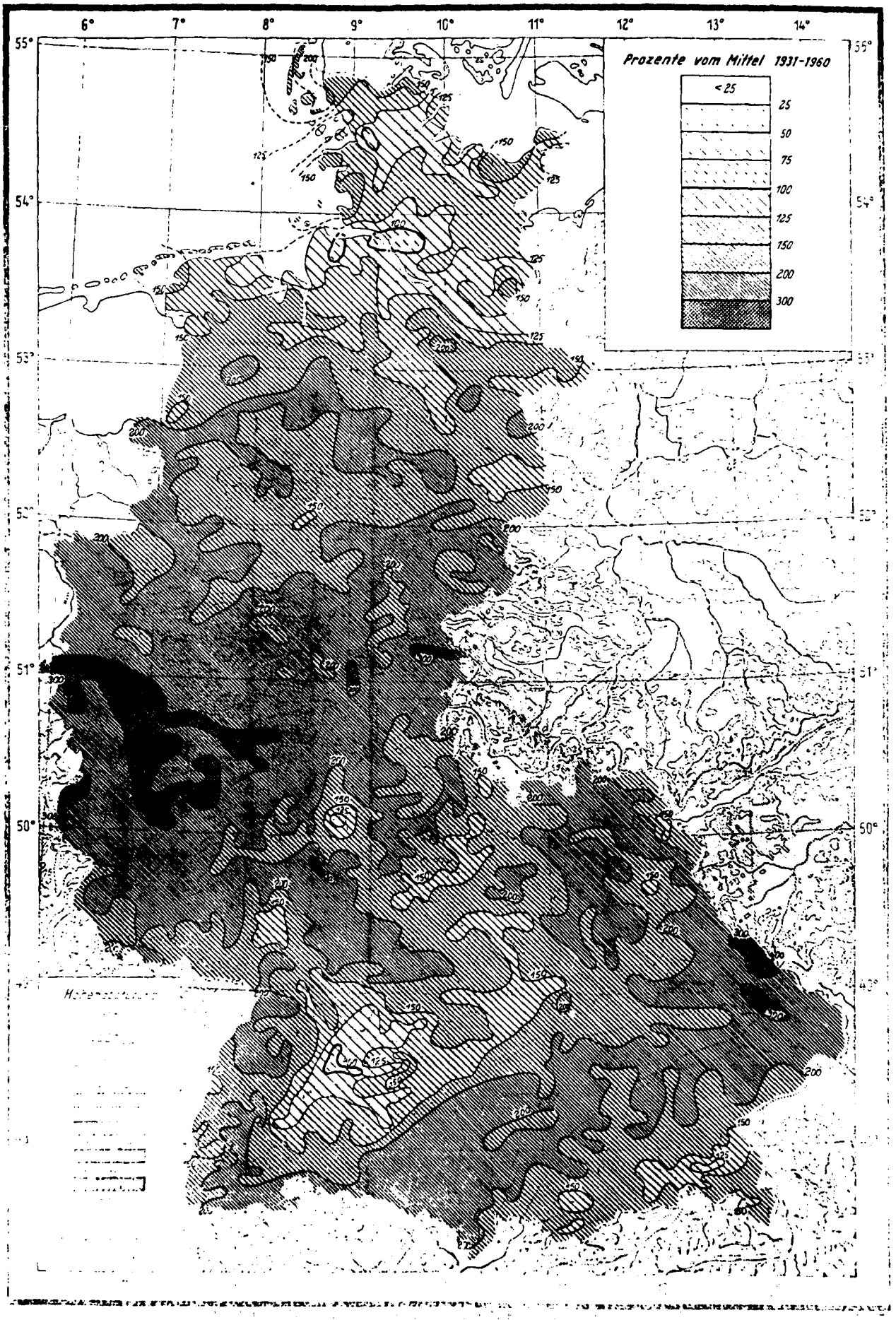


Table 2 ctd. (air temperature in % of 1931 – 1960 mean values)

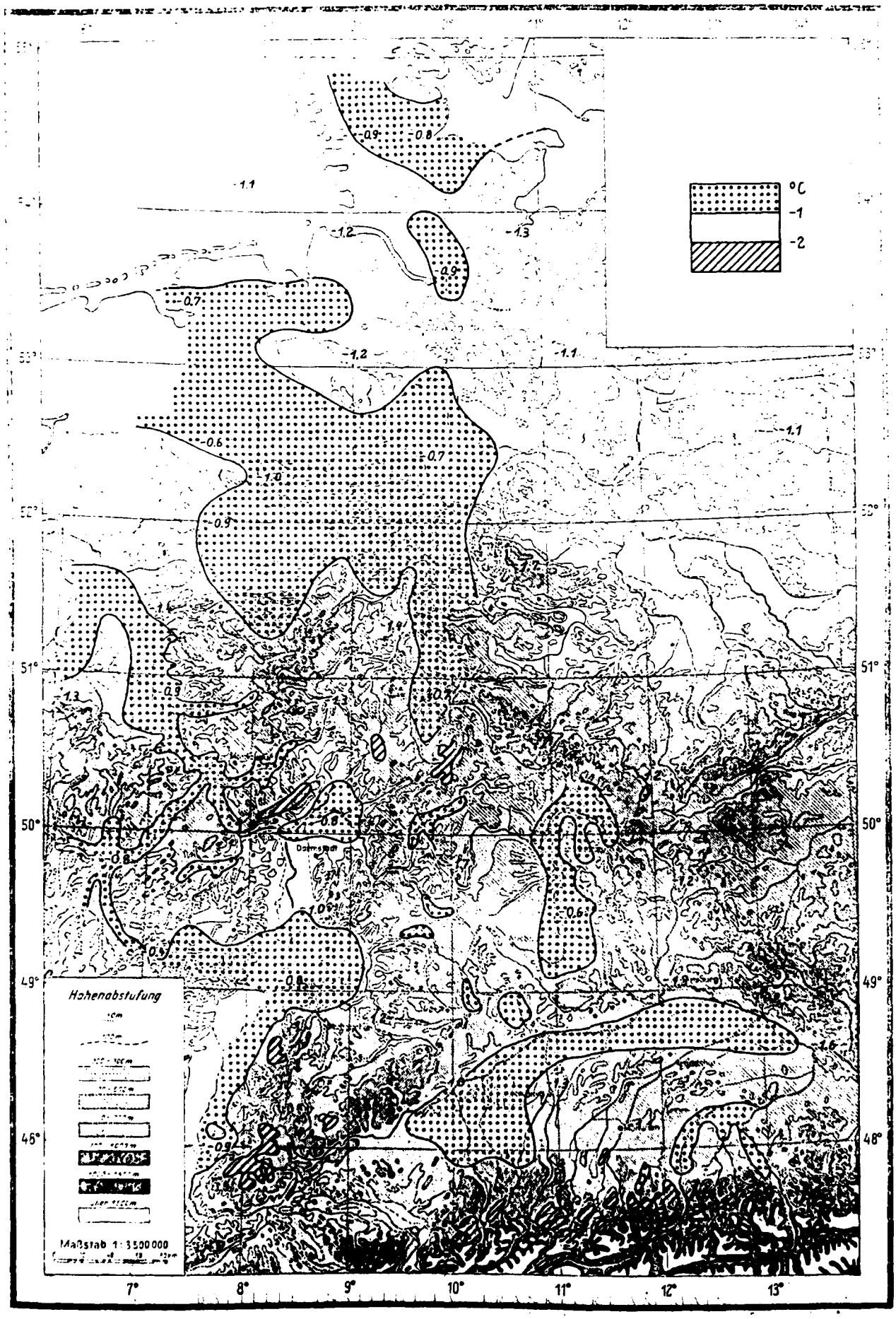


Table 3 Meteorological/Climatological Data for the Areas of Investigation (October 1984)

Monatswerte — Oktober 1984

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0–8	Niederschlag: Höhe in mm	in % **)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schneefall ≥ 0,1 mm	Schneedecke 7–0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Schleswig-Holstein																												
List auf Sylt (Wst)	26	11.9	1.9	15.0	10.	7.6	27.	5.3	16.	84	5.8	114	150	24	17	5	.	.	6	2	1	11	.	.	.	.	83	78
Leck (BW)	7	10.9	2.1	15.9	4.	3.5	16.	0.8	28.	87	5.4	158		25	18	7	.	.	6	1	.	8	.	.	.	.	72	
Flensburg (Schäferhaus)	41	10.6	1.9	16.0	30.	2.7	28.	0.8	28.	90	6.1	141	178	21	17	6	.	.	1	2	.	14	.	.	.	.	68	69
Wyk/Föhr	1	11.5		16.2	11.	5.9	15.	-1.1	28.	86	6.1	124	165	24	16	4	.	.	3	2	1	15	.	.	.	.	75	
Stoltebull 1)	28	10.6	1.6	16.8	30.	3.0	28.	-2.4	28.	87	5.8	144	206	21	17	6	.	.	.	1	.	16	.	.	.	.	83	
Schleswig (WA)	43	10.9	2.1	17.0	30.	3.2	28.	2.0	28.	87	6.3	135	163	26	17	4	.	.	3	1	.	14	.	.	.	.	87	86
Westermarkelsdorf/Fehmarn 1)	1	11.6	2.0	17.0	30.	7.4	28.	5.3	28.	84	5.4	76	149	22	15	3	.	.	.	.	2	11	.	.	.	.	102	
Schwesing (BW)	28	10.7	2.0	15.7	30.	2.0	28.	-0.2	28.	90	5.9	134	163	24	17	5	.	.	10	2	.	13	.	.	.	.	80	
Kiel-Kronshagen (Wst)	17	10.9	1.8	17.7	30.	2.2	28.	1.0	28.	87	5.6	107	155	24	15	2	.	.	2	.	1	12	.	.	.	.	98	93
Hohwacht	10	11.1	1.7	17.2	30.	2.5	28.	1.0	28.	88	4.9	85	144	25	15	2	.	.	3	.	2	6	.	.	.	.		
Ertde 1)	18	11.1	2.3	17.4	30.	2.7	28.	1.3	28.	87	5.8	122	144	22	16	5	.	.	3	2	.	12	.	.	.	.	100	
Sankt Peter-Ording	4	11.7	1.9	16.5	4.	5.0	16.	1.0	16.	85	6.2	147	179	21	18	5	.	.	3	2	.	16	.	.	.	.	78	
Rendsburg	8	10.8	2.1	17.4	30.	0.8	28.	-2.4	28.	86	6.2	111	144	22	17	4	.	.	5	2	.	14	.	.	.	.		
Lensahn	14	11.0	2.0	17.5	30.	2.0	28.	-2.5	28.	87	5.4	98	161	21	16	5	.	.	1	.	1	11	.	.	.	.		
Heide Holstein	12	11.2	2.2	17.5	4.	2.3	28.	1.0	28.	85	5.8	130	155	19	18	4	.	.	9	2	.	10	.	.	.	.		
Helgoland (Wst)	4	12.9	1.7	15.7	9.	8.2	20.	5.9	16.	84	6.0	99	121	21	14	4	.	.	2	3	1	13	.	.	.	.	84	83
Plön (See) 1)	24	11.0	1.6	16.5	30.	3.9	28.	2.0	28.	88	5.4	92	146	27	17	2	.	.	3	1	.	10	.	.	.	.	84	
Eutin	50	10.8	2.0	17.2	30.	1.7	28.	-0.7	28.	85	5.5	103	158	25	18	4	.	.	5	.	.	8	.	.	.	.		
Hohenwestedt	80	10.5	1.7	16.5	30.	2.2	28.	0.0	28.	87	5.9	144	182	23	16	5	.	.	3	.	.	13	.	.	.	.		
Neumünster	21	10.9	2.1	17.5	30.	1.2	28.	-2.5	28.	85	5.3	134	189	23	19	6	.	.	1	1	1	8	.	.	.	.		
Helse, Kr. Dithmarschen 1)	2	11.1	1.9	17.2	30.	3.9	28.	1.7	28.	84	5.1	124	163	23	18	3	.	.	.	1	2	7	.	.	.	.	100	
Travemünde 1)	9	11.0	1.5	16.5	30.	2.1	28.	2.0	28.	85	5.0	72	147	19	16	.	.	.	2	.	1	8	.	.	.	.	115	
Wahlstedt	45	10.8	2.0	18.0	30.	1.3	28.	-1.8	28.	87	6.2	121		26	20	5	.	.	2	1	1	18	.	.	.	.		
Lübeck (Wst)	8	11.3	1.8	17.7	3.	2.0	28.	0.7	28.	80	5.7	76	129	24	14	1	.	.	1	1	.	12	.	.	.	.	108	98
Brande-Hörnerkirchen 1)	9	10.8	2.2	18.0	30.	0.6	28.	-1.4	28.	88	5.9	107		20	19	2	.	.	8	2	.	14	.	.	.	.	95	
Glückstadt 1)	2	11.2	1.8	17.6	30.	4.4	28.	2.0	16.,28.	82	5.8	104	163	26	18	3	.	.	2	1	.	13	.	.	.	.	97	
Quickborn (FMG), Kr. Pinneberg	13	11.0	2.1	17.8	30.	-0.5	28.	-3.0	28.	86	5.6	111		23	17	4	.	.	11	2	1	9	.	.	1	.	93	
Ahrensburg-Wulfsdorf (AMBF)	46	10.7	2.0	17.2	30.	1.8	28.	-1.7	28.	90	5.6	110	172	25	19	3	.	.	2	2	1	9	.	.	.	.	94	
Mölln 1)	27	10.6		17.4	10.	-1.1	28.	-2.5	28.	87	5.5	85		23	16	1	.	.	3	1	.	9	.	.	1	.		
Hamburg-Fuhlsbuttel (Flugh.)	13	11.1	2.0	17.9	30.	1.5	28.	-3.1	28.	86	5.3	116	197	23	15	3	.	.	2	2	1	9	.	.	.	.	108	103
Bremerhaven (Wewa)	7	11.4	1.7	17.9	30.	3.4	28.	1.4	28.	88	5.7	76	121	21	14	1	.	.	7	1	2	12	.	.	.	.	99	99
Bremen (Flugh.)	4	10.7	1.8	18.7	30.	-0.5	28.	-2.6	28.	87	5.3	90	155	19	18	2	.	.	9	1	2	10	.	.	1	.	106	102
Niedersachsen																												
Cuxhaven (Wst)	5	11.5	1.5	17.8	30.	3.0	28.	0.5	28.	87	6.0	109	149	21	16	2	.	.	5	2	.	13	.	.	.	.	104	103
Wangerooge	3	11.6	1.2	17.1	30.	4.1	28.	2.8	28.	89	5.8	93	121	19	17	3	.	.	3	.	2	13	.	.	.	.		
Langeoog	5	11.7	1.3	16.8	30.	3.2	28.	2.0	28.	86	6.1	95	119	22	15	4	.	.	2	.	.	15	.	.	.	.		
Norderney (Wst)	11	12.0	1.4	16.0	30.	4.4	28.	3.2	28.	86	5.8	77	99	22	14	2	.	.	4	2	.	11	.	.	.	.	93	89
Bederkesa	27	10.7	1.5	18.0	30.	2.2	28.	0.4	28.	88	5.5	107	157	22	15	2	.	.	4	2	3	12	.	.	.	.		
Wilhelmshaven	1	11.2	1.6	18.4	30.	1.6	28.	-1.4	28.	87	5.1	103	151	17	14	5	.	.	4	1	2	9	.	.	.	.		
Jever (BW)	7	11.0	1.6	18.1	30.	0.3	28.	-1.4	28.	84	5.3	93	124	24	12	4	.	.	6	4	2	10	.	.	.	.	92	
Jork	1	10.5	1.8	17.5	30.	-1.3	28.	-1.7	28.	87	5.4	87	150	21	17	2	.	.	1	1	.	7	.	.	1	.	110	
Bremervörde	5	10.6	1.7	17.6	30.	0.0	28.	-0.5	28.	85	5.3	100	149	20	18	1	.	.	2	1	1	9	.	.	.	.		
Aurich	4	10.6	1.4	18.0	30.	0.6	28.	-2.5	28.	90	6.5	105	138	20	13	6	.	.	5	1	.	17	.	.	.	.	83	
Emden-Nesserland (Wst)	5	11.6	1.8	16.7	30.	4.1	28.	2.5	28.	85	5.9	92	133	22	12	5	.	.	6	1	.	14	.	.	.	.	92	92

1) Sonnenscheindauer nicht direkt am Standort der Station registriert *) vom Mittel 1931-1960 **) vom Mittel 1951-1960
Abkürzungen: WA = Wetteramt, Wewa = Wetterwarte, Wst = Wetterstation, AMBF = Agrarmeteorologische Beratungs- und Forschungsstelle, BW = Bundeswehr, Khst = Klimahauptstation, Nst = Niederschlagsstation

Table 3 ctd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Brake (Unterweser)	5	11.1	1.9	18.2	30.	3.2	28.	2.0	28.	88	6.1	101	166	19	17	2	.	.	7	2	.	17	.	.	.	.	100	
Buchholz i.d. Nordheide	77	10.1		16.5	30.	-0.7	28.	-2.5	27.	91	5.6	90		21	19	1	.	.	3	.	2	11	.	.	1	.	94	
Teufelsmoor	6	10.5	1.7	16.9	30.	-2.1	28.	-3.5	28.	86	6.1	77	122	19	15	1	.	.	9	1	.	14	.	.	1	.		
Luechow	11	11.3	2.1	17.6	1.	-0.1	28.	-1.9	28.	81	5.3	62	124	23	14	1	.	.	.	.	1	9	.	.	1	.	111	
Oldenburg (I)	5	10.9	1.4	19.2	30.	0.0	28.	-2.5	28.	87	5.7	91	147	22	15	2	.	.	4	2	.	13	.	.	.	.	99	
Rotenburg (Wuemme)	24	10.1	1.2	17.9	30.	-0.4	28.	-1.2	28.	77	5.3	83	138	20	18	1	.	.	4	.	2	11	.	.	1	.		
Friesoythe-Edewechterdamm	8	10.9	1.8	18.1	30.	0.3	28.	-1.7	28.	87	5.7	87	132	19	16	1	.	.	6	.	.	13	.	.	.	.	86	
Soltau (WD)	77	10.5	1.7	18.2	30.	-1.5	28.	-3.0	28.	87	5.3	96	157	20	18	2	.	.	5	.	2	9	.	.	1	.	108	106
Dorpen	6	11.0	1.6	19.3	30.	2.4	28.	-2.7	28.	84	5.5	110		21	17	3	.	.	5	2	.	13	.	.	.	.		
Uelzen	45	10.9	2.1	18.3	25.	-2.0	28.	-3.0	28.	90	5.0	55	110	20	15	1	.	.	4	.	2	8	.	.	1	.	103	
Luchow (WD)	17	11.0	2.2	18.0	1.	-0.6	28.	-1.9	28.	86	5.9	44	96	21	12	.	.	.	5	1	.	13	.	.	1	.	112	104
Alfhausen (BW)	48	10.8		18.6	30.	0.7	28.	-2.8	28.	85	5.4	100		23	17	2	.	.	5	2	2	12	.	.	.	.	104	
Bassum (Uphusch Warnamt)	53	10.9		17.9	30.	2.5	28.	1.0	28.	87	5.7	67		22	16	1	.	.	1	1	1	13	.	.	.	.		
Gut Celle	98	10.3	1.6	17.0	17.	-1.4	28.	-2.0	28.	88	5.6	78	134	21	15	2	.	.	1	.	2	14	.	.	1	.		
Loeningen	36	11.1	1.8	20.0	30.	1.5	28.	-1.0	28.	86	6.0	126	200	23	18	5	.	.	3	1	.	15	.	.	.	.	86	
Hankensbuettel	84	10.3	1.8	17.0	17.	0.0	28.	-3.9	28.	87	5.4	73	135	23	15	2	.	.	3	.	2	10	.	.	.	.		
Nienburg	26	10.8	1.4	19.2	30.	-0.4	28.	-1.3	28.	86	5.5	87	161	21	17	2	.	.	3	1	3	13	.	.	1	.	93	
Lingen (WSt)	21	11.4	1.6	18.7	30.	2.6	28.	2.0	28.	84	5.5	107	165	20	16	4	.	.	4	2	2	11	.	.	.	.	90	92
Alfhausen	48	11.0	2.0	19.0	30.	1.3	28.	-1.5	28.	86	5.8	108	171	18	15	2	.	.	.	1	3	16	.	.	.	.		
Hannover-Langenhagen (Flugh.)	53	11.2	2.1	18.1	17.	0.5	28.	-1.9	28.	85	5.5	78	139	21	15	2	.	.	7	.	1	11	.	.	.	.	107	101
Nordhorn	24	11.3	1.6	19.5	30.	1.5	28.	-1.8	28.	83	5.8	104	168	19	14	5	.	.	3	1	1	14	.	.	.	.		
Wittsburg Falkenhagen	74	11.0		18.1	1.	1.5	28.	0.6	28.	87	4.7	57	100	22	15	1	.	.	1	1	4	8	.	.	.	.		
Braunschweig Volkenrode (WSt)	81	11.3	2.1	19.1	1.	2.0	28.	-0.6	28.	85	5.6	66	120	21	15	1	.	.	4	.	1	14	.	.	.	.	98	86
Osnabrueck (WSt)	95	11.1	1.7	19.6	30.	0.6	28.	-2.8	28.	83	5.6	116	187	22	17	4	.	.	1	1	3	11	.	.	.	.	92	90
Annaburg	395	9.1		17.4	30.	2.2	22.	-0.7	28.	92	5.7	99	130	21	16	3	.	.	14	.	1	13	.	.	.	.		
Helmstedt	144	10.7	1.7	19.6	1.	0.9	28.	-0.9	28.	82	5.6	46	82	15	10	.	.	.	4	.	2	13	.	.	.	.		
Hildesheim	100	11.1	1.9	17.9	1.30.	-0.5	28.	-2.6	28.	84	5.2	77	131	19	16	2	.	.	2	.	3	12	.	.	1	.		
Hitzacker	64	11.5		18.4	1.17.	1.6	28.	-1.0	28.	85	5.3	71	120	19	13	1	.	.	5	.	2	9	.	.	.	.		
Salzgitter Ringelheim	130	11.3		19.7	1.	-0.6	28.	-2.6	28.	81	5.5	69	121	19	15	2	.	.	1	.	1	12	.	.	1	.		
Bad Harzburg	260	11.0	2.1	20.7	1.	0.5	28.	0.0	28.	78	5.1	66	90	20	13	1	.	.	.	.	1	10	.	.	.	.	75	
Hahnenklee	553	8.6	1.6	17.1	30.	0.4	28.	-2.0	22.	91		126	109	20	19	3	.	.	13	.			.	.	.	.	77	
Schnackenburg	504	8.9		17.5	1.	-2.5	28.	-5.5	28.	89	5.4	118		21	18	2	.	.	5	.	2	13	.	.	1	.	87	
Holzminden	128	11.2	1.6	18.8	1.	0.6	28.	-1.0	28.	82	5.4	73	109	19	14	2	.	.	4	.	2	13	.	.	.	.	67	
Luebeck	105	11.2	2.2	19.4	1.	0.5	28.	-0.1	28.	82	6.1	54	95	20	15	.	.	.	4	.	.	17	.	.	.	.	86	
Bad Grund	300	9.4		17.8	1.	-0.8	28.			89	5.7	110	120	20	17	2	.	.	5	.	3	16	.	.	1	.	78	
Clausthal	563	8.2	1.3	15.8	1.	-1.3	28.			90	6.1	149	126	20	18	4	.	.	7	.	1	17	.	.	1	.	71	70
Alfeld	495	8.5		17.5	1.	-3.0	28.			91	5.7	144	127	21	19	4	.	.	7	1	4	16	.	.	2	.	80	
Holzminden Silberborn	440	9.1		16.5	1.	1.5	27.28.			88	5.9	100	112	20	15	3	.	.	5	.	1	18	.	.	.	.	78	
Braunlage (WSt)	607	8.1	1.5	17.0	30.	-0.8	28.	-7.3	28.	87	5.9	156	139	21	19	3	.	.	3	1	2	19	.	.	1	.	86	77
Bad Lauterberg	317	9.5		19.2	1.	-0.3	28.			87	5.8	136	143	21	17	4	.	.	1	1	2	16	.	.	1	.	89	
Goettingen (WSt)	175	10.9	2.0	19.2	1.	-0.6	28.	-2.6	28.	82	5.6	57	114	19	13	2	.	.	2	.	1	13	.	.	1	.	88	83
Berlin-Dahlem (Meteorol. Inst.)	51	10.4	1.5	21.0	1.	0.0	28.	-1.2	28.	85	5.3	48	103	17	9	1	.	.	5	1	1	8	.	.	.	.	102	83
Nordrhein-Westfalen																												
Bad Salzuflen (WSt)	98	11.4	1.8	19.2	17.	0.7	28.	-0.6	28.	83	5.8	100	152	22	15	3	.	.	3	.	1	13	.	.	.	.	83	80
Muenster (WSt)	62	11.3	1.6	19.2	30.	0.8	28.	-1.5	28.	84	5.9	101	174	19	16	3	.	.	4	1	2	14	.	.	.	.	87	85
Gutenhof	72	11.0		18.4	30.	0.0	28.	-0.7	28.	87	5.7	88	144	22	15	2	.	.	6	.	1	14	.	.	.	.		
Bocholt Liedern (WSt)	21	11.3	1.6	19.2	30.	1.8	28.	-1.0	28.	87	6.0	102	157	19	15	3	.	.	6	1	2	14	.	.	.	.	94	102
Bad Oeynhausen (WSt)	157	11.2	1.6	19.0	30.	2.4	28.	-0.2	28.	84	6.0	100	132	21	15	4	.	.	2	1	1	17	.	.	.	.	73	
Kleve	45	11.6	1.3	18.0	30.	2.4	28.	0.5	28.	87	6.2	109	168	21	15	3	.	.	3	1	.	14	.	.	.	.	82	
Detmold-Bokenforde	92	11.7		19.8	30.	2.1	28.	0.0	28.	83	5.5	75		19	15	1	.	.	1	1	1	11	.	.	.	.	84	
Borgentreich Beine	240	10.3	1.9	18.8	1.	-1.9	28.	-3.1	28.	85	6.0	74	130	21	16	1	.	.	3	1	.	14	.	.	1	.		
Essen-Bredeney (WSt)	154	11.5	1.5	19.4	30.	5.2	28.	2.2	28.	84	5.8	164	219	21	16	5	.	.	10	2	3	15	.	.	.	.	98	100
Hagen Uky	100	11.8		21.5	30.	-0.3	28.	-1.9	28.	84	5.7	107		18	16	4	.	.	1	.	1	15	.	.	1	.		
Arnsberg	218	10.4	1.8	19.8	30.	-2.0	28.	-2.5	28.	84	5.7	117	141	24	19	4	.	.	.	1	1	16	.	.	1	.	86	

Table 3 ctd.

Station	Höhe über NN m	Lufttemperatur °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	Tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung %	Niederschlag: Höhe in mm	mm²)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee: fall 0,1 mm	dichte cm	Nebel	Gewitter	heitere	trübe	neue Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer: in Std	%²)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Lonsdorf	39	11.6	1.5	18.0	16.18.	3.1	26.	2.5	28.	86	5.5	106	196	19	16	2	.	.	1	.	1	12	.	.	.	.		
Wuppertal-Buchenhofen	128	11.4	1.9	19.4	16.	0.2	28.	0.0	28.	84	5.8	161	177	21	16	5	.	.	3	.	1	14	.	.	.	.		
Ludenscheid	444	9.7	1.4	18.5	30.	3.7	22.	1.8	28.	85	6.3	162	153	22	17	8	.	.	11	.	2	21	.	.	.	.	79	80
Dusseldorf (Südfriedhof)	37	12.0	1.6	18.7	18.	3.0	28.	-0.5	28.	83	5.5	135	260	20	16	4	.	.	.	1	1	11	.	.	.	.	89	94
Kahler Asten (Wst)	839	7.0	1.5	16.2	31.	0.4	22.	-3.2	28.	92	6.4	161	126	25	21	5	1	.	29	2	2	22	.	.	.	.	66	63
Koln (Bot. Garten)	45	11.8	1.3	18.0	18.	2.6	28.	-0.3	28.	85	5.9	101	187	20	17	2	.	.	.	.	3	18	.	.	.	.		
Köln-Wahn (Flugh.)	73	11.7	1.9	18.4	18.	0.7	28.	-0.6	28.	82	5.7	89	165	20	15	2	.	.	3	.	2	15	.	.	.	.	94	
Siegen	263	10.4	1.9	17.0	1.18.	-1.2	28.	-1.1	28.	87	6.1	97	123	22	17	2	.	.	11	1	.	19	.	.	1	.		
Aachen (Wst)	202	11.7	1.6	19.3	30.	4.5	28.	1.2	28.	82	5.6	89	139	18	13	3	.	.	1	.	1	13	.	.	.	.	104	84
Euskirchen	176	11.8	2.0	18.4	17.	1.3	28.	0.3	28.	79	5.5	53	136	19	13	1	.	.	1	.	3	14	.	.	.	.		
Roetgen	440	10.0	1.7	18.5	30.	2.8	27.	-0.5	27.	84	5.8	113	130	18	16	4	.	.	2	.	3	16	.	.	.	.		
Sistig	505	9.6		18.0	30.	1.0	28.	-1.5	28.	84	5.7	83		20	15	3	.	.	1	.	2	13	.	.	.	.	85	
Hessen																												
Arolsen																												
Witzenhausen																												
Willingen/Upland	580	9.0	1.9	20.0	31.	-1.5	28.	-3.1	28.	84	6.0	105	106	24	19	3	.	.	2	1	2	14	.	.	2	.	88	72
Kassel (Wst)	231	10.2	1.2	19.2	1.	-0.9	28.	-2.9	28.	85	5.9	66	122	17	13	.	.	.	7	2	.	17	.	.	1	.	76	
Waldeck																												
Eschwege																												
Melsungen																												
Frankenberg/Eder																												
Biedenkopf 1)	290	9.7	1.5	18.4	15.	-1.7	28.	-1.9	22.	88	6.3	79	125	21	16	2	.	.	9	1	1	18	.	.	2	.	59	
Neukirchen-Hauptschwenda 1)	500	9.2	2.1	17.5	1.	1.5	28.	-0.5	28.	87	6.1	81	123	21	15	1	.	.	15	1	2	19	.	.	.	.	62	
Bad Hersfeld (Wst)	212	10.5	2.2	21.6	1.	0.4	28.	-0.2	28.	84	6.2	58	102	21	15	.	.	.	9	1	.	18	.	.	.	.	72	72
Marburg 1)	195	10.7	1.7	18.9	1.	-0.5	28.	-2.4	28.	82	6.4	61	127	21	14	.	.	.	8	1	1	21	.	.	1	.	70	
Dillenburg	262	9.8	1.2	18.1	1.	-2.4	28.	-2.5	28.	86	6.1	61	95	20	16	.	.	.	5	2	.	15	.	.	2	.		
Wartenberg-Angersbach	276	9.8	1.7	20.2	1.	-0.4	28.	-1.9	28.	84	6.5	50	93	16	11	1	.	.	7	1	.	15	.	.	1	.		
Gießen (Liebigshohe, Wst)	186	10.7	1.7	18.1	1.	0.4	28.	-1.9	28.	83	6.4	47	107	19	10	1	.	.	9	1	2	21	.	.	.	.	79	78
Fulda	255	10.1	1.8	20.5	1.	-0.2	28.	-2.7	28.	83	5.6	49	96	17	12	.	.	.	7	1	4	16	.	.	1	.	86	79
Schotten	315	10.0	1.1	19.4	1.	-0.9	31.	-0.9	31.	86	6.0	76	87	17	13	1	.	.	10	1	1	17	.	.	1	.	50	48
Wasserkuppe (Wst)	921	6.9	1.6	15.0	1.	0.4	28.	-3.6	28.	90	6.0	114	115	20	17	3	.	.	28	1	3	19	.	.	.	.	83	70
Grebenhain-Herchenhain	608	8.4	1.4	17.2	1.	2.7	28.31.	-1.2	31.	89	6.2	112	104	18	16	3	.	.	16	1	3	19	.	.	.	.		
Limburg/Lahn	118	11.2	2.3	19.9	10.	1.1	22.28.	0.3	28.	79	5.9	39	80	16	12	1	.	.	8	2	.	13	.	.	.	.	79	
Bad Nauheim	160	10.4	1.4	19.2	1.	-0.4	28.	-2.0	28.	86	4.7	45	107	16	10	.	.	.	4	2	2	4	.	.	1	.		
Mittel-Grundau	155	10.8		21.9	1.	0.6	28.	-0.1	28.	88	5.7	52		20	12	.	.	.	6	1	3	18	.	.	.	.	83	
Kl. Feldberg/Ts. (Wst)	805	7.4	1.3	15.0	31.	2.5	21.22.	0.0	28.	92	6.3	85	109	19	15	2	1	.	28	2	2	19	.	.	.	.	60	52
Frankfurt a. M. (Stadt)																												
Wiesbaden (Süd)	145	11.0	1.6	19.2	18.	2.0	28.	-0.6	28.	87	5.8	42	88	18	13	.	.	.	3	1	.	15	.	.	.	.		
Frankfurt a. M. (Fluch.)	112	11.1	1.9	20.2	1.	0.7	28.	-0.8	28.	85	5.6	40	80	16	11	.	.	.	8	2	1	13	.	.	.	.	91	89
Geisenheim (AMBF)	118	11.2	1.5	20.0	1.	2.5	28.	0.8	28.	83	5.7	44	113	18	11	1	.	.	7	2	.	13	.	.	.	.	84	85
Darmstadt (Wst)	108	11.2	1.0	21.1	1.	1.6	28.	-0.7	17.	85	5.8	43	84	16	11	.	.	.	9	1	1	15	.	.	.	.	92	76
Lindenfels-Winterkasten	445	10.0		18.8	1.	2.9	28.	0.6	28.	86	5.2	85		16	13	3	.	.	13	1	5	12	.	.	.	.		
Beerfelden	450	9.8	1.4	18.4	1.	1.8	29.31.	-0.7	28.	86	6.1	71	82	17	14	3	.	.	7	1	.	15	.	.	.	.	103	88
Saarland																												
Weiskirchen/Saar	368	10.2		17.4	18.	3.6	7.	0.7	31.	88	5.7	130		20	15	5	.	.	8	1	4	17	.	.	.	.		
Nennig	153	11.4	1.8	19.9	18.	2.5	28.31.	2.0	28.	86	6.4	100	172	19	12	2	.	.	8	1	.	18	.	.	.	.		
Leiterswieler	420	10.0		17.9	14.18.	3.0	7.29.	1.0	22.28.	95	5.5	79		16	15	1	.	.	19	1	4	16	.	.	.	.		
Tholey (Wst)	396	10.0		17.2	18.	2.7	28.	0.4	31.	88	6.0	95		20	15	3	.	.	13	1	3	17	.	.	.	.	87	
Huttersdorf	223	10.3	1.6	18.9	18.	0.6	31.	-1.0	28.	89	5.8	84	127	16	15	1	.	.	4	.	3	16	.	.	.	.		
Neunkirchen-Wellesweiler	236	10.5		18.2	18.	0.5	28.	0.3	28.	84	6.3	47	66	16	13	.	.	.	15	1	.	15	.	.	.	.		
Homburg/Saar	235	10.3	1.5	19.0	18.	0.0	31.	-1.4	28.	85	6.1	60	94	19	13	.	.	.	14	1	.	13	.	.	.	.		
Berus (Wst)	363	10.2	1.2	17.8	18.	2.3	31.	1.3	31.	91	5.7	66	105	18	13	1	.	.	16	1	3	15	.	.	.	.	71	57
Völklingen (KW-Fenne)	187	11.2		19.5	18.	1.3	31.			90	5.9	43		16	12	.	.	.	6	.	1	15	.	.	.	.		
Saarbrücken St. Johann	193	11.0	1.6	19.6	18.	0.0	31.	-1.2	28.	84	4.9	50	85	16	12	.	.	.	11	.	5	12	.	.	.	.	65	63
Saarbrücken-Ensheim (Flugh.)	323	10.2	1.2	17.6	18.	2.0	31.	-1.6	31.	87	5.5	58	97	17	12	.	.	.	13	.	3	12	.	.	.	.	69	56

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rheinland-Pfalz																												
Bergzabern	290	10.3	1.4	16.6	18.	0.8	28.	-0.6	28.	88	5.7	84	102	19	14	2	.	.	4	1	2	13	.	.	.	.		
Bad Marienberg (West)	547	8.8	1.1	15.9	16.	2.1	28.	-2.8	28.	89	6.0	96	110	23	16	3	.	.	18	1	3	21	.	.	.	.	88	71
Bad Neuenahr-Ahrweiler	111	12.2	2.4	20.5	10.	2.0	28.31.	-1.0	31.	86	5.6	40	88	12	11	1	.	.	7	.	.	8	.	.	.	.	87	
Schweich/Wellenbach	121	11.4		19.3	10.	2.2	28.	0.5	28.	84	5.8	41	76	17	11	.	.	.	7	.	.	11	.	.	.	.		
Neuheilbert	250	10.5		19.0	18.	-1.0	28.	-2.5	28.	84	6.0	76	104	18	15	1	.	.	7	1	1	14	.	.	1	.		
Kell (Lkr. Trier)	72	12.1	2.1	20.2	10.	3.5	28.	3.2	28.	85	6.5	59	134	15	13	1	.	.	.	.	.	16	.	.	.	.		
Saarburg (West)	527	8.9	1.6	15.3	31.	2.6	22.	0.8	28.	89	6.0	75	127	20	14	3	.	.	17	1	2	17	.	.	.	.	88	
Mayen	270	11.0	1.8	18.8	10.	0.0	28.	-1.2	28.	83	5.2	33	77	15	13	.	.	.	4	.	3	14	.	.	.	.		
Bellheim	77	11.5	2.0	19.9	10.	4.6	28.	2.3	28.	89	6.8	71	131	14	13	2	.	.	7	1	.	21	.	.	.	.		
Schmidtburg-Thiers	657	8.4	1.4	15.3	30.	1.2	27.	-1.6	28.	85	6.0	179	213	22	18	5	.	.	22	1	3	20	.	.	.	.		
Weitersweiler	530	8.7	1.2	15.3	30.	1.6	28.	-0.1	28.	90	6.5	127	174	21	15	3	.	.	19	1	1	20	.	.	.	.	84	
Manderscheid (Eifel)	403	9.2	1.3	16.9	18.30.	-0.1	28.	-2.2	28.	88	5.7	89	139	17	15	3	.	.	13	1	2	14	.	.	1	.	63	
Idar-Oberstein	400	9.9	1.7	17.0	18.	1.6	28.	-1.2	28.	91	6.3	77	140	17	13	2	.	.	7	1	1	18	.	.	.	.		
Sammetroth/Waldbach	440	9.8	1.6	16.2	18.	-1.0	31.	-1.0	31.	87	5.8	57	106	21	17	1	.	.	7	.	1	13	.	.	1	.		
Mainz	125	11.3	1.6	19.5	1.	1.5	28.	0.0	28.	81	5.4	33	79	17	11	.	.	.	1	1	3	14	.	.	.	.		
Bernkastel	120	11.5	1.6	19.6	18.	3.8	28.	2.4	28.	86	6.1	65	130	17	12	2	.	.	7	1	.	14	.	.	.	.	60	69
Bad Kreuznach	159	11.1	1.6	19.5	1.	1.0	28.	-1.6	28.	82	6.2	23	62	21	7	.	.	.	4	.	1	14	.	.	.	.	81	80
Herrstein	345	9.6	2.0	17.5	18.	0.1	31.	-0.4	31.	86	5.8	52	102	17	12	1	.	.	9	1	.	12	.	.	.	.		
Daun/Eifel (West)	480	9.8	1.2	18.0	30.	3.6	14.	1.4	31.	86	5.9	69	113	18	12	2	.	.	5	1	3	15	.	.	.	.	95	72
Trier-Süd	144	11.3	1.6	19.7	18.	2.9	28.	0.8	28.	85	6.1	94	171	16	13	3	.	.	6	1	.	16	.	.	.	.	41	
Trier-Petrisberg (Obs.)	265	10.5	1.1	18.9	18.	2.0	28.	1.4	28.	88	6.2	101	187	20	13	4	.	.	13	1	.	18	.	.	.	.	64	62
Wöra	166	11.1	1.9	19.7	1.	0.0	28.	-2.0	28.	84	5.7	25	71	17	8	.	.	.	10	.	.	12	.	.	.	.	76	70
Burg/Eifel-Eschweiler	395	9.1	1.3	16.6	18.	-1.6	31.	-2.6	31.	87	5.5	107	151	16	15	5	.	.	5	1	3	12	.	.	2	.		
Puppert (Eifel)	488	10.0		18.0	1.	4.4	29.	1.5	7.	83	5.1	36	72	14	11	.	.	.	6	.	5	15	.	.	.	.		
Kaiserslautern	248	10.9	1.3	20.1	1.	0.0	31.	-0.2	31.	84	6.4	32	59	15	9	.	.	.	7	.	.	18	.	.	.	.	90	
Wendelstein/Pfalz	553	9.7	1.5	17.4	1.	3.8	30.	1.5	31.	84	5.3	30		15	8	.	.	.	12	.	2	10	.	.	.	.	122	94
Neustadt/Weinstraße (Hochschule)	125	11.1	1.5	20.0	19.	0.8	28.	-1.9	28.	85	5.8	23		17	7	.	.	.	5	.	.	12	.	.	.	.	91	
Pirmasens	280	9.4		18.8	1.	-1.4	31.	-2.4	31.	88	6.1	52	80	17	14	.	.	.	17	.	1	17	.	.	1	.		
Bad Bergzabern (Lo	180	10.7	1.0	20.7	1.	2.0	30.	1.5	30.	90	5.1	60	105	12	9	3	.	.	5	.	.	4	.	.	.	.	93	
Baden-Württemberg																												
Wertheim/Tauber	140	11.1	2.3	21.4	1.	2.0	22.	2.0	22.	80	4.8	34	61	17	8	1	.	.	15	.	.	3	.	.	.	.		
Lauda-Königshofen (Verkehrsschule)	199	10.7		23.2	1.	0.4	29.	0.0	31.	82	5.3	42	93	17	8	1	.	.	12	1	.	7	.	.	.	.		
Mannheim (Neuwa)	96	11.4	1.8	20.8	1.	1.6	28.	-0.7	28.	85	5.7	39	83	16	10	1	.	.	9	1	.	11	.	.	.	.	106	89
Bockenau, Kr. Neckar-Odw	250	9.7	1.8	20.1	1.	-0.1	31.	-2.3	31.	85	5.8	41	68	15	8	1	.	.	5	.	1	12	.	.	1	.	106	86
Bad Mergentheim/Neunkirchen	250	10.2	1.7	22.1	1.	-0.5	29.	-0.9	29.	85	5.3	34	71	20	8	.	.	.	8	1	1	11	.	.	2	.		
Eschenau/Neckar	176	10.7	1.6	19.7	1.	2.3	31.	0.7	22.	84	6.6	59	77	13	11	1	.	.	5	.	.	18	.	.	.	.		
Bockelheim	111	12.2	1.5	21.0	1.	2.8	28.	2.5	28.	79	5.2	46	74	14	10	1	.	.	5	1	.	9	.	.	.	.	93	84
Neckarsulm	210	10.6	1.4	23.0	1.	0.0	31.	-0.6	31.	88	5.1	44	71	16	9	1	.	.	16	.	1	4	.	.	.	.		
Eschelbronn	209	10.6	1.8	22.4	1.	0.5	31.	-0.1	31.	87	5.5	45	73	15	8	1	.	.	10	1	.	10	.	.	.	.		
Bietigheim	100	11.4	1.8	21.0	19.	3.0	30.	0.5	28.	83	6.3	47	80	20	10	1	.	.	7	.	.	16	.	.	.	.		
Gottmadingen (West)	276	10.6	1.4	22.5	1.	0.2	31.	-3.0	31.	83	4.9	41	67	21	8	1	.	.	6	2	5	11	.	.	.	.	123	94
Heidelberg	167	11.0	1.2	23.5	1.	1.2	30.	0.5	30.	84	5.0	41	80	19	8	1	.	.	6	1	2	7	.	.	.	.		
Eppingen	210	10.8	1.7	21.7	1.	0.5	31.	-0.4	29.	86	4.9	42	75	14	8	1	.	.	14	2	1	7	.	.	.	.		
Crailsheim	416	9.4	1.2	20.7	19.	-1.6	31.	-1.8	29.	80	5.0	28	46	12	8	1	.	.	7	.	.	8	.	.	2	.		
Schwäbisch Hall-Tullau	379	10.2		21.4	1.	-1.2	31.	-2.3	30.	86	5.7	38		18	8	1	.	.	8	2	.	10	.	.	2	.	109	
Karlsruhe (West)	112	11.3	1.5	22.4	1.	3.1	17.	0.6	17.	85	5.6	45	80	14	9	1	.	.	10	1	2	14	.	.	.	.	103	80
Forchheim, Kr. Karlsruhe	116	11.4	1.8	22.5	19.	2.2	28.	1.5	29.	89	6.9	47	84	12	9	.	.	.	16	.	.	19	.	.	.	.	84	69
Mannheim	344	9.5	1.2	21.8	1.	-0.2	31.	-1.2	31.	85	4.3	50	65	10	9	1	.	.	13	1	8	9	.	.	1	.		
Ellwangen/Jagst	443	9.3	1.7	21.7	19.	-1.8	29.	-2.3	31.	82	4.8	29	50	11	5	1	.	.	7	.	3	8	.	.	2	.	112	87
Gaggenau/Kr. Offenb	492	9.1	1.3	21.1	1.	-1.8	29.	-3.0	31.	82	4.7	37	47	11	7	1	.	.	14	1	7	9	.	.	4	.		
Pforzheim	245	10.7	2.0	22.4	1.	0.4	31.	-1.0	29.31.	79	4.5	27	46	11	8	1	.	.	5	.	6	7	.	.	.	.	128	

Table 3 ctd.

Station	Höhe über NN m	Lufttemperatur in °C Mittel	Abweichung	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bedeckung 0–10	Niederschlag Höhe in mm	%	Niederschlag Anzahl der Tage ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee Höhe 0,1 mm	Schnee Höhe cm	heiter	Gewitter	trübe	Tage mit Niederschlag	Sommertage	Frosttage	Eistage	Sonnenscheindauer Std	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Stuttgart (Schnarrenberg)	314	11.3	1.7	21.8	1.	1.6	29.	0.1	28.	78	4.9	30	64	12	6	1	.	.	9	1	4	9	.	.	.	.	129	
Bad Herrenalb	351	10.0	1.7	21.8	1.	-0.1	30.	-2.2	31.	83	5.3	66	85	15	13	2	.	.	6	1	3	1.	.	.	1	.	87	
Dobel	717	9.7	1.8	19.9	1.	4.0	22.28.	0.9	29.	78	5.3	82	76	15	14	2	.	.	3	.	3	13	.	.	.	.	109	
Schomberg, Kr. Calw	633	9.2	1.3	18.0	1.	1.5	28.29.	-1.0	28.	81	4.7	51	67	15	12	1	.	.	1	1	7	10	.	.	.	.	114	81
Schwabisch Gmund-Straßdorf	415	10.5	1.8	21.8	1.	-1.0	31.	-1.4	31.	80	5.1	29	41	9	7	1	.	.	9	.	2	11	.	.	1	.		
Wildbad (Stadt)	417	9.5	1.3	21.5	1.	-0.1	31.	-2.5	31.	82	4.9	54	57	15	10	1	.	.	1	1	5	12	.	.	1	.		
Stuttgart (WA)																												
Baden-Baden	218	10.9	1.2	22.0	1.	0.2	31.	-0.4	31.	82	5.3	77	93	12	10	3	.	.	9	1	4	14	.	.	.	.		
Wildbad-Sommerberg	740	9.4	1.5	19.5	17.18.	2.4	28.	-0.4	29.	76	4.8	65	66	15	12	3	.	.	6	1	6	11	.	.	.	.	137	
Buhlertal	190	11.5	1.2	21.3	19.	1.7	31.	-0.1	31.	73	5.0	109	118	15	12	4	.	.	5	1	4	11	.	.	.	.		
Freistett (Marwald)	131	11.0	1.8	21.4	10.	3.4	31.	2.9	17.	87	6.3	57		12	10	2	.	.	14	1	.	17	.	.	.	.	91	
Enzklosterle (1)	606	8.5		19.0	1.	-0.5	28.	-3.0	28.30.	78	4.6	59	59	14	11	2	.	.	7	.	6	8	.	.	2	.	112	
Stotten (Wst)	734	8.8	1.3	18.6	19.	0.4	30.	-1.6	31.	83	5.0	40	52	11	6	2	.	.	17	.	3	9	.	.	.	.	124	94
Heidenheim, Brenz	500	7.9	0.4	18.6	19.	-1.7	22.	-3.4	22.	88	6.0	28	46	14	6	1	.	.	15	.	1	13	.	.	3	.	71	
Nurtingen (Oberensingen	280	10.0	1.3	22.9	1.	-1.1	31.	-1.5	31.	81	5.3	28		22	6	1	.	.	13	.	.	10	.	.	1	.	32	
Hornisgrinde	1122	6.9	1.2	15.6	14.	0.6	28.	-2.3	28.	86	5.5	147	95	15	12	5	.	.	22	1	4	17	.	.	.	.	127	
Nagold	392	9.1	0.7	20.0	1.17.	-1.5	31.	-2.5	31.	88	3.7	41	87	14	10	1	.	.	10	.	11	10	.	.	3	.		
Lenningen-Schopfloch	758	9.2	1.5	19.5	1.	2.1	28.	-0.2	29.	76	4.8	34	45	11	7	1	.	.	5	.	6	10	.	.	.	.		
Laichingen	747	8.4	1.5	18.5	1.	-2.0	29.30.	-2.4	30.	78	4.4	28	47	14	7	.	.	.	9	.	7	8	.	.	2	.	136	
Rottenburg	342	9.8		23.0	1.	-2.9	31.	-4.9	31.	80	5.6	29		11	7	1	.	.	9	.	1	13	.	.	4	.	111	
Offenburg	155	11.3	1.5	22.0	19.	2.7	29.	-0.3	17.	83	5.5	51	76	16	9	1	.	.	9	.	3	14	.	.	.	.		
Freudenstadt (Wst)	797	8.6	1.4	18.0	14.	0.5	28.	-1.8	28.	82	5.2	87	80	15	12	2	.	.	8	.	5	12	.	.	.	.	127	93
Gengenbach	185	11.0	1.1	21.3	19.	1.6	30.	0.2	30.	85	5.2	77	103	15	12	4	.	.	7	1	4	13	.	.	.	.		
Munsingen	721	7.9	1.1	19.5	1.	-2.6	31.	-3.6	31.	81	5.6	35	54	11	6	1	.	.	9	.	1	10	.	.	4	.		
Hechingen	520	9.8	1.4	21.8	1.	-1.3	29.	-1.6	29.	78	4.5	41	72	12	8	2	.	.	7	.	4	7	.	.	3	.		
Ulm (Wst)	522	8.9	1.5	21.3	19.	-0.4	31.	-1.6	22.	84	5.6	31	60	9	4	1	.	.	12	.	1	11	.	.	1	.	110	99
Lahr, Schw	158	11.6	1.6	22.4	19.	1.4	31.	0.0	17.	81	5.5	59	97	12	8	2	.	.	8	.	3	12	.	.	.	.	117	
Wonach	265	11.0	1.6	21.5	10.	0.7	31.	0.0	30.	82	5.6	68	71	12	11	2	.	.	11	.	2	13	.	.	.	.	118	
Albstadt-Ebingen	712	7.9		18.3	19.	-1.6	31.	-5.4	31.	78	4.7	32	52	13	6	1	.	.	9	.	5	9	.	.	3	.		
Ottoschwanden	442	10.6		20.0	1.	3.1	28.	1.4	28.	83	4.3	72	99	11	9	2	.	.	6	.	5	8	.	.	.	.	125	
Wellendingen																												
Emmendingen-Mundingen	201	10.4		22.6	19.	0.5	31.	-0.7	17.	84	5.6	60	94	11	10	2	.	.	7	.	1	11	.	.	.	.		
Schonach	904	8.6		17.5	1.	1.0	28.			80	4.5	108		14	11	4	.	.	.	.	6	6	.	.	.	.	137	
Triberg	683	8.7	1.2	19.4	1.	0.2	29.	-2.5	29.30.	84	4.4	98	86	14	12	3	.	.	.	.	8	10	.	.	.	.		
Triberg (Kurpark)	700	8.7		19.5	1.	-0.8	28.			78	4.2	85		15	10	2	.	.	.	.	8	9	.	.	1	.	102	
Konigsfeld Schw	767	8.2	1.5	18.7	14.	-2.1	30.			84	4.5	48	62	13	9	2	.	.	5	.	5	7	.	.	4	.	122	88
Biberach/Riß	534	9.7	2.0	20.7	19.	0.0	31.	-0.6	31.	81	5.7	36	67	10	7	1	.	.	13	.	1	13	.	.	.	.		
Schonwald Schw	1005	8.1		18.0	1.	1.5	22.			74	4.3	73		15	12	3	.	.	3	.	8	7	.	.	.	.		
Klippeneck (Wst)	973	8.3	1.5	18.3	1.	0.7	28.	-1.6	22.	84	4.3	43	73	14	6	1	.	.	9	.	7	5	.	.	.	.	145	110
Oberrotweil (1)	223	11.3	1.6	21.9	19.	0.3	31.	-1.2	31.	81	4.9	37	77	12	8	1	.	.	7	.	3	8	.	.	.	.	119	
Sigmaringen	650	8.4	1.0	20.3	19.	-2.0	31.	-5.8	31.	81	5.6	27	54	16	4	1	.	.	10	.	2	17	.	.	2	.		
Lilienthal (Ortsteil Baringen)	284	9.9	1.3	20.5	19.	0.9	31.	-0.6	31.	86	5.2	51	89	12	9	1	.	.	8	.	2	10	.	.	.	.	83	
Villingen	698	7.8	1.2	19.1	1.	-3.4	30.	-8.0	30.	84	4.7	36	59	12	6	1	.	.	13	.	2	9	.	.	8	.		
Freiburg i. Br.-Herdern	255	11.4	1.3	22.9	19.	1.6	31.	-1.7	29.30.	81	5.0	88	128	10	9	3	.	.	6	.	2	8	.	.	.	.		
Bad Durrheim	718	8.6	2.0	19.0	14.	-2.6	30.			81	4.7	31	56	12	5	1	.	.	12	.	4	10	.	.	5	.	116	
Freiburg i. Br. (Wst)	269	11.9	1.9	23.0	19.	2.6	31.	0.4	30.	78	5.2	103	166	10	9	3	.	.	7	.	1	9	.	.	.	.	117	
Sankt Marien	900	8.9	0.9	19.0	1.	2.0	28.29.			79	4.1	100		16	11	3	.	.	8	.	7	5	.	.	.	.		
Mengen i. Br.	215	11.2	1.7	22.1	19.	1.0	29.	0.5	29.	83	5.7	61	117	9	9	1	.	.	8	1	1	11	.	.	.	.		
Aulendorf	571	9.3	1.7	20.0	19.	-2.0	31.	-3.6	31.	85	5.7	37	61	12	7	2	.	.	12	.	.	16	.	.	1	.	117	103
Donaueschingen (1)	677	8.3	1.4	19.2	1.	-3.3	31.	-5.4	31.	84	5.0	37	70	8	6	1	.	.	14	.	3	10	.	.	6	.	126	
Neustadt/Schw. (1)	835	7.0	0.8	17.8	1.	-4.1	30.	-5.0	30.	83	4.9	56	62	14	9	1	.	.	6	.	6	10	.	.	8	.	133	

Table 3 ctd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
[illegible]	924	7.8		18.8	1.14.	-1.0	22.29.			78	4.0	54		11	5	1	.	.	2	.	7	5	.	.	3	.	132	
Pfalzkobel	638	8.2	0.9	20.0	19.	-4.1	31.	-4.8	31.	85	6.0	29	42	18	5	1	.	.	14	.	3	16	.	.	3	.		
[illegible]	212	11.1		22.2	18.	0.7	31.	0.8	17.	77	5.1	46	110	9	8	1	.	.	13	.	1	8	.	.	.	.	103	
[illegible]	883	7.2	1.0	20.0	14.31.	-3.5	30.			83	4.3	71	72	12	9	2	.	.	2	.	5	6	.	.	8	.	125	
[illegible]	840	7.4		19.5	1.14.	-3.1	30.			76	4.9	64	70	11	9	2	.	.	8	.	5	8	.	.	6	.	103	
[illegible]	545	10.2		20.4	1.	0.6	28.			77	4.4	98	105	11	9	4	.	.	4	.	6	7	.	.	.	.	122	
[illegible]	1486	9.8	1.8	13.7	14.	0.5	8.	-3.5	22.	79	5.1	146	101	15	11	5	3	.	21	.	9	10	.	.	1	.	139	97
[illegible]	818	7.6	1.5	19.9	1.	3.6	30.			81	4.2	53	64	12	8	2	.	.	5	.	7	7	.	.	6	.	130	103
[illegible]	478	9.3	1.3	21.0	19.	-1.0	31.	3.4	31.	86	5.3	45	88	12	6	1	.	.	10	.	1	13	.	.	1	.		
[illegible]	475	8.9		20.0	19.	1.2	31.	-2.0	31.	86	5.7	31	56	9	5	1	.	.	14	.	.	12	.	.	1	.		
[illegible]	885	7.5	1.4	19.5	1.	-6.4	29.			78	4.6	105	80	14	11	3	.	.	9	.	7	8	.	.	12	.		
[illegible]	963	7.5	1.4	19.5	14.	-2.0	29.			83	4.4	73	74	13	10	3	.	.	.	.	7	11	.	.	4	.	151	
[illegible]	412	11.3	1.8	21.0	18.	2.2	30.	1.2	29.	78	4.9	72	97	9	9	3	.	.	8	.	6	9	.	.	.	.	87	
[illegible]	852	8.6	1.3	17.3	31.	0.8	28.	-2.0	28.	83	4.0	120	97	13	11	4	.	.	5	.	9	8	.	.	.	.		
[illegible]	435	10.2	1.7	21.3	1.19.	0.2	31.	-1.0	31.	81	5.5	34	48	10	5	1	.	.	15	.	.	11	.	.	.	.	123	107
[illegible]	785	7.9	1.7	20.0	1.	-3.0	30.	-3.5	29.30.	84	5.3	79	73	13	11	2	.	.	.	.	.	4	.	.	7	.	140	104
[illegible]	1008	8.1	1.5	16.6	1.	1.3	29.	-1.2	29.	79	4.0	66	70	13	10	2	.	.	6	.	8	5	.	.	.	.	138	
[illegible]	400	10.3	0.9	19.5	19.	2.0	29.31.			85	5.8	24	46	12	6	1	.	.	26	.	1	16	.	.	.	.		
[illegible]	443	10.4	1.5	20.5	19.	3.6	31.	0.8	29.	84	5.7	22	40	13	5	1	.	.	9	.	.	14	.	.	.	.	115	115
[illegible]	691	8.3	1.2	22.4	1.	-3.0	30.	-3.2	30.31.	81	4.9	54	44	9	6	2	.	.	9	.	5	13	.	.	4	.	137	
[illegible]	383	9.8	1.4	21.0	19.	0.5	31.	-1.0	31.	85	4.7	52	79	17	9	1	.	.	3	.	2	8	.	.	.	.		
[illegible]	400	9.2	0.6	21.0	18.	-0.6	30.	-1.5	30.	86	4.0	66	71	13	9	2	.	.	11	.	8	7	.	.	1	.		
[illegible]	406	9.9		21.8	19.	-0.3	31.	-3.3	31.	83	5.6	47	72	10	6	2	.	.	9	.	.	11	.	.	1	.	108	
[illegible]	264	10.8		22.2	18.	2.4	31.	0.1	31.	84	5.1	52	87	16	8	1	.	.	10	1	4	14	.	.	.	.		
[illegible]	330	10.2	0.9	22.0	18.	1.5	31.	-0.4	29.	85	5.5	51	68	14	11	1	.	.	.	.	1	13	.	.	.	.		
[illegible]	728	8.1		18.6	18.	-0.8	31.			83	5.0	67	68	12	11	1	.	.	13	.	4	11	.	.	3	.		
[illegible]	287	11.2	1.4	22.7	18.	3.7	29.	1.1	29.	80	5.0	50	71	13	8	1	.	.	13	.	4	11	.	.	.	.	110	
[illegible]	355	10.3		21.3	18.	3.1	29.			83	5.0	60	85	16	9	1	.	.	8	1	2	10	.	.	.	.	105	
Bayern																												
[illegible]	315	9.4		18.6	1.	-2.2	28.	-2.6	28.	84	6.6	47	104	19	11	1	.	.	5	.	1	19	.	.	2	.		
[illegible]	560	7.9	1.0	18.0	1.	-1.0	28.	-4.5	28.	88	5.7	56	79	18	14	.	.	.	17	.	4	17	.	.	3	.		
[illegible]	520	9.4	1.2	16.5	19.	1.1	31.	0.1	31.	83	5.9	65	80	14	14	1	.	.	8	1	2	17	.	.	.	.		
[illegible]	567	8.5	1.8	17.7	1.	-2.1	28.	-2.5	28.29.	85	5.3	29	56	19	6	1	.	.	9	.	4	12	.	.	2	.	125	102
[illegible]	337	9.7	1.5	20.1	1.	-0.7	28.	-2.9	28.	87	5.8	43	80	17	11	1	.	.	11	1	4	15	.	.	1	.	89	74
[illegible]	305	10.0	2.1	19.3	1.19.	-0.6	29.31.	-2.5	29.	83	6.5	49	86	17	13	.	.	.	7	1	.	18	.	.	3	.		
[illegible]	262	10.3	2.0	20.3	1.	-0.6	28.	-2.0	28.	84	5.8	61	120	17	12	2	.	.	13	2	1	16	.	.	1	.	75	71
[illegible]	583	8.1	1.7	17.0	11.19.	-3.0	28.	-4.5	28.29.	80	4.6	31	56	8	7	1	.	.	7	.	5	8	.	.	5	.	85	81
[illegible]	553	8.2	1.3	20.2	1.	-1.5	28.	-3.4	28.	86	4.9	52	69	22	15	1	.	.	9	.	6	10	.	.	3	.		
[illegible]	110	11.2	1.8	20.6	1.	1.4	28.	-1.5	28.	81	6.3	37	67	16	10	.	.	.	8	1	1	16	.	.	.	.		
[illegible]	240	10.2	1.7	20.2	1.	0.0	28.	-0.5	22.	84	5.3	56	133	19	9	1	.	.	6	1	3	11	.	.	.	.		
[illegible]	161	10.6	2.1	20.5	1.	1.5	26.	1.3	28.	85	6.3	39	64	18	11	1	.	.	14	.	.	18	.	.	.	.		
[illegible]	705	7.9	1.0	19.0	1.	-0.2	28.	-1.9	26.	85	5.3	53	63	19	12	2	.	.	14	.	3	14	.	.	1	.		
[illegible]	330	9.6	1.8	19.6	19.	0.0	17.29.	-1.2	27.	86	5.8	24	45	16	8	.	.	.	10	.	1	12	.	.	.	.	99	85
[illegible]	239	10.0	1.7	20.2	19.	-1.7	29.	-1.4	29.	84	5.8	18	35	23	8	.	.	.	8	1	1	13	.	.	2	.	101	96
[illegible]	515	8.7	1.6	18.4	19.	-2.8	29.	-2.8	29.	81	5.3	28	57	15	8	.	.	.	22	.	3	12	.	.	5	.		
[illegible]	268	10.5	1.3	20.8	1.	0.0	29.	-1.1	29.	83	5.5	31	63	22	5	1	.	.	10	1	.	12	.	.	.	.	102	89
[illegible]	450	9.5	1.9	19.5	19.	-1.5	28.29.	-2.0	28.	82	4.3	25	35	14	9	.	.	.	12	.	7	7	.	.	2	.		
[illegible]	750	7.9	1.4	16.1	19.	1.6	29.	-1.8	29.	84	4.8	34	43	13	8	.	.	.	9	.	5	12	.	.	.	.		
[illegible]	137	10.9		21.2	1.	2.5	22.	0.3	22.	83	6.2	30	56	17	9	.	.	.	12	.	.	16	.	.	.	.		
[illegible]	438	9.3	1.5	18.7	19.	-1.9	29.	-4.4	29.	84	5.1	19	38	13	7	.	.	.	10	.	2	13	.	.	3	.	112	93
[illegible]	270	10.2	1.9	20.7	19.	-0.5	29.	-2.0	29.	80	5.0	17	34	13	6	.	.	.	10	1	3	9	.	.	1	.	107	107
[illegible]	333	10.0	1.8	20.5	19.	-0.7	28.29.	-1.0	29.	81	5.5	20	40	12	6	.	.	.	9	1	2	8	.	.	2	.		

Table 3 ctd.

Station	Höhe über NN m	Lufttemperatur in °C Mittel	Abweichung*	höchste	Datum	tiefste	Datum	Tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0-8	Niederschlag Höhe in mm	mm*	Zahl der Tage: Niederschlag 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee Fall ≥ 0,1 mm	Schnee Decke ≥ 0 cm	Nebel	Gewitter	Heiter	Trübe	Helle Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer Std.	%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Ottenheim	340	10.1	1.6	20.9	1.	0.1	28.	-0.5	28.	80	5.1	20	43	13	3	.	.	.	6	1	2	10	.	.	.	.		
Nürnberg-Kraftshof (Flugh.)	310	10.2	1.8	21.0	19.	-1.6	28.	-2.5	29.	80	4.9	16	35	14	5	.	.	.	12	1	3	8	.	.	3	.	123	98
Pommelsbrunn	368	9.5	1.7	20.2	19.	-1.4	29.	-1.4	29.	81	5.1	36	50	11	10	1	.	.	7	.	3	11	.	.	3	.		
Oberviechtach	498	8.6	1.3	18.6	11.	-2.9	29.	-5.4	29.	85	4.9	28	44	11	6	.	.	.	4	.	1	10	.	.	6	.		
Amberg	386	9.4	1.5	19.0	19.	-0.8	31.	-2.0	31.	82	5.6	16	34	12	6	.	.	.	11	.	1	11	.	.	2	.		
Rothenburg o.d. Tauber	406	9.7	1.5	21.1	1.	-1.2	28.	-1.9	28.	84	5.1	19	38	15	4	.	.	.	6	1	.	7	.	.	2	.		
Schwandorf	372	9.0	1.3	18.9	11.	-0.7	31.	-2.1	22.29.	84	4.5	13	25	12	4	.	.	.	11	.	2	8	.	.	4	.		
Ansbach-Claffheim	481	9.0		19.5	19.	-1.4	30.	-3.0	30.	86	5.5	17		13	4	.	.	.	11	.	.	12	.	.	2	.	116	
Roth b. Nürnberg	420	9.8	1.7	19.5	19.	-0.1	29.	-0.9	29.	81	4.7	22	44	10	4	.	.	.	7	.	2	7	.	.	1	.	143	118
Cham	542	9.1	1.3	18.2	19.	0.7	29.31.	0.0	29.	84	4.4	13	21	8	6	.	.	.	7	.	6	8	.	.	.	.		
Parsberg/Opf.	403	8.0	1.0	17.1	20.	-1.5	29.	-3.4	29.	90	4.7	30	48	12	5	1	.	.	12	.	3	7	.	.	4	.		
Hollenstein-Kraftwerk	1437	5.4		15.8	1.	-0.6	16.22.			77	4.9	51		14	8	2	3	1	23	.	6	13	.	.	5	.	150	
Großer Arber (Wst)	403	8.0	1.0	17.1	20.	-1.5	29.	-3.4	29.	90	4.7	30	48	12	5	1	.	.	12	.	3	7	.	.	4	.		
Regensburg (Wst)	1437	5.4		15.8	1.	-0.6	16.22.			77	4.9	51		14	8	2	3	1	23	.	6	13	.	.	5	.	150	
Weißenburg/Bay. (Wst)	366	9.3	1.0	18.5	11.	-1.0	29.	-0.6	29.	87	5.2	17	39	12	5	.	.	.	14	.	3	12	.	.	1	.	110	95
Eichstätt	422	9.8	1.6	20.9	19.	-1.0	29.	-3.4	31.	81	4.7	12	24	8	3	.	.	.	8	.	4	10	.	.	2	.	140	102
Nördlingen	397	8.9		19.8	19.	-1.0	29.	-0.8	29.	85	5.4	19	37	9	4	1	.	.	14	.	2	11	.	.	2	.		
Metten	425	9.6	1.9	20.8	19.	-1.9	29.	-1.9	29.	82	5.5	20	44	12	5	.	.	.	10	.	1	12	.	.	1	.	60	
Kösching	313	8.8	1.0	19.5	1.10.	-1.2	31.	-3.2	29.30.	87	5.4	33	47	7	6	1	.	.	12	.	2	13	.	.	3	.	118	
Freyung v. Wald	417	8.9	0.7	19.2	10.	-1.8	29.	-3.2	29.	89	6.2	22		11	4	1	.	.	10	.	.	12	.	.	1	.	116	
Mallersdorf/Ndb.	645	8.4	0.9	21.5	1.19.	-1.9	29.	-2.1	29.	84	4.3	63	82	9	7	1	.	.	13	.	8	9	.	.	3	.		
Karlshuld	410	9.9	1.9	20.1	10.	-1.7	29.	-1.7	29.	81	4.6	22	42	8	4	1	.	.	11	.	3	7	.	.	1	.		
Karlsheim-Neuhof	516	8.7	1.0	19.4	19.	-1.1	29.	-2.6	29.	82	5.2	24	41	15	6	.	.	.	12	.	1	11	.	.	1	.		
Karlshuld	374	8.9	1.5	20.0	19.	-2.2	29.	-3.5	22.	84	5.4	16	31	11	3	.	.	.	10	.	.	12	.	.	3	.	108	
Mainburg	450	9.7		20.2	5.	-2.0	29.	-3.4	29.	75	5.0	12	20	6	3	.	.	.	6	.	2	10	.	.	4	.	123	
Dillingen/Donau	435	9.3	1.3	21.6	19.	0.5	29.	-1.4	29.	78	5.9	21	40	9	5	1	.	.	13	.	.	15	.	.	.	.		
Passau-Oberhaus (Wst)	409	9.4	1.0	20.2	19.	-0.3	29.	-1.0	29.	86	5.3	40	60	9	5	1	.	.	19	.	1	12	.	.	1	.	139	112
Kumhausen	436	9.4	1.3	20.2	19.	-1.5	31.	-2.0	29.	82	4.5	26	43	8	3	1	.	.	10	.	2	6	.	.	3	.	134	
Falkenberg, Kr. Rottal-Inn	490	9.7	1.4	19.5	19.	-0.9	31.	-1.0	30.	81	4.2	48	84	9	4	2	.	.	10	.	4	7	.	.	2	.		
Augsburg-Mühlhausen (Wst)	461	9.3	1.1	20.1	19.	-1.3	29.	-1.6	29.	82	4.9	15	26	5	4	.	.	.	13	.	3	6	.	.	3	.	115	89
Weihenstephan (AMBF)	467	9.0	1.4	20.0	10.	-1.5	31.	-2.2	29.	85	4.6	27	47	8	5	1	.	.	9	.	4	7	.	.	3	.	134	103
Simbach/Inn	310	9.3		19.1	10.	0.2	29.	-3.5	29.	84	5.4	22	35	6	3	1	.	.	12	.	2	12	.	.	.	.	123	
Krumbach-Edenhausen	520	9.0	1.4	21.1	19.	-2.6	31.	-5.2	31.	81	4.1	26	40	16	5	1	.	.	12	.	3	5	.	.	1	.	109	
Mühldorf/Inn (Wst)	401	9.1	0.9	19.8	10.	-0.7	29.	-2.4	29.	85	5.0	29	47	7	3	1	.	.	11	.	3	11	.	.	2	.	124	100
München-Nymphenburg	515	9.6	1.7	21.3	19.	-1.0	31.	-2.4	31.	80	4.9	26	42	6	5	1	.	.	8	.	3	9	.	.	1	.	145	112
München-Riem (Flugh.)	527	9.4	1.6	21.2	19.	-2.2	31.	-5.3	29.	81	4.5	25	37	8	4	.	.	.	10	.	5	6	.	.	3	.	147	107
Kaufering	585	9.1		19.8	19.	-0.6	29.	-2.1	29.	85	4.7	17		6	4	.	.	.	7	.	1	8	.	.	1	.		
Ebersberg	573	9.2		18.9	10.	-0.9	29.	-2.2	31.	85	4.4	26	36	8	3	.	.	.	6	.	4	8	.	.	3	.		
Trostberg	487	9.7	1.6	20.5	18.25.	-1.5	30.	-3.0	31.	80	5.0	29	43	3	3	2	.	.	10	.	2	8	.	.	2	.		
Memmingen	595	9.2	1.7	20.5	1.	-0.5	31.	-4.0	31.	81	4.9	28	41	12	6	1	.	.	7	.	4	9	.	.	1	.		
Kaufbeuren	720	9.1	1.5	20.4	19.	-2.2	30.	-5.6	29.	79	5.1	16	21	8	6	.	.	.	3	.	3	7	.	.	2	.		
Attenkam	665	9.3	1.5	19.5	1.	-0.5	29.	-3.5	29.	78	4.4	31	41	9	5	1	.	.	8	.	5	8	.	.	1	.		
Kötzing (Ü)	611	9.8	1.8	20.0	1.	0.5	30.	-0.2	30.	80	4.4	34	31	8	3	2	.	.	2	.	8	9	.	.	.	.	156	
Rosenheim	446	10.3	2.0	23.2	19.	-2.5	31.	-3.1	31.	84	4.4	29	38	6	3	1	.	.	5	.	6	9	.	.	2	.	133	
Hohenpeißenberg (Observatorium)	977	9.0	2.0	18.2	19.	2.8	8.	-1.6	29.	75	4.5	43	54	9	6	2	.	.	12	.	7	4	.	.	.	.	162	108
Kempten (Wst)	705	8.7	1.6	21.7	1.	-2.8	30.	-4.8	30.	82	4.6	23	26	11	7	.	.	.	5	.	7	8	.	.	2	.	168	122
Wendelstein (Wst)	1832	5.2	1.5	13.9	1.	-2.0	8.	-3.8	3.	69	4.6	46		9	7	2	5	2	19	.	8	9	.	.	8	.	148	93
Reit im Winkl	695	8.6	1.4	22.2	1.	-1.8	30.	-3.6	30.	84	4.2	55	47	9	6	2	.	.	5	.	6	11	.	.	3	.	166	
Schwaneau Horn (Ü)	796	9.0	2.2	20.5	17.19.	-1.2	29.	-1.9	29.	77	3.9	40	45	8	8	.	.	.	3	.	8	5	.	.	.	.		
Garmisch-Partenkirchen (Wst)	719	8.4	1.8	23.6	1.	-1.6	29.30.	-4.5	29.	82	4.3	48	55	11	6	2	.	.	1	.	7	7	.	.	4	.	160	110
Zugspitze (Wst)	2960	-1.6	1.6	9.0	31.	-9.5	2.			70	4.1	60	45	10	6	3	9	31	18	.	9	6	.	.	29	12	201	114
Oberstdorf (Wst)	810	8.3	1.7	21.6	17.	-3.3	29.	-6.1	29.	76	4.3	44	38	9	8	.	.	.	.	.	7	6	.	.	4	.	148	112

Table 3 ctd. (air temperature in °C) **Oktober 1984**

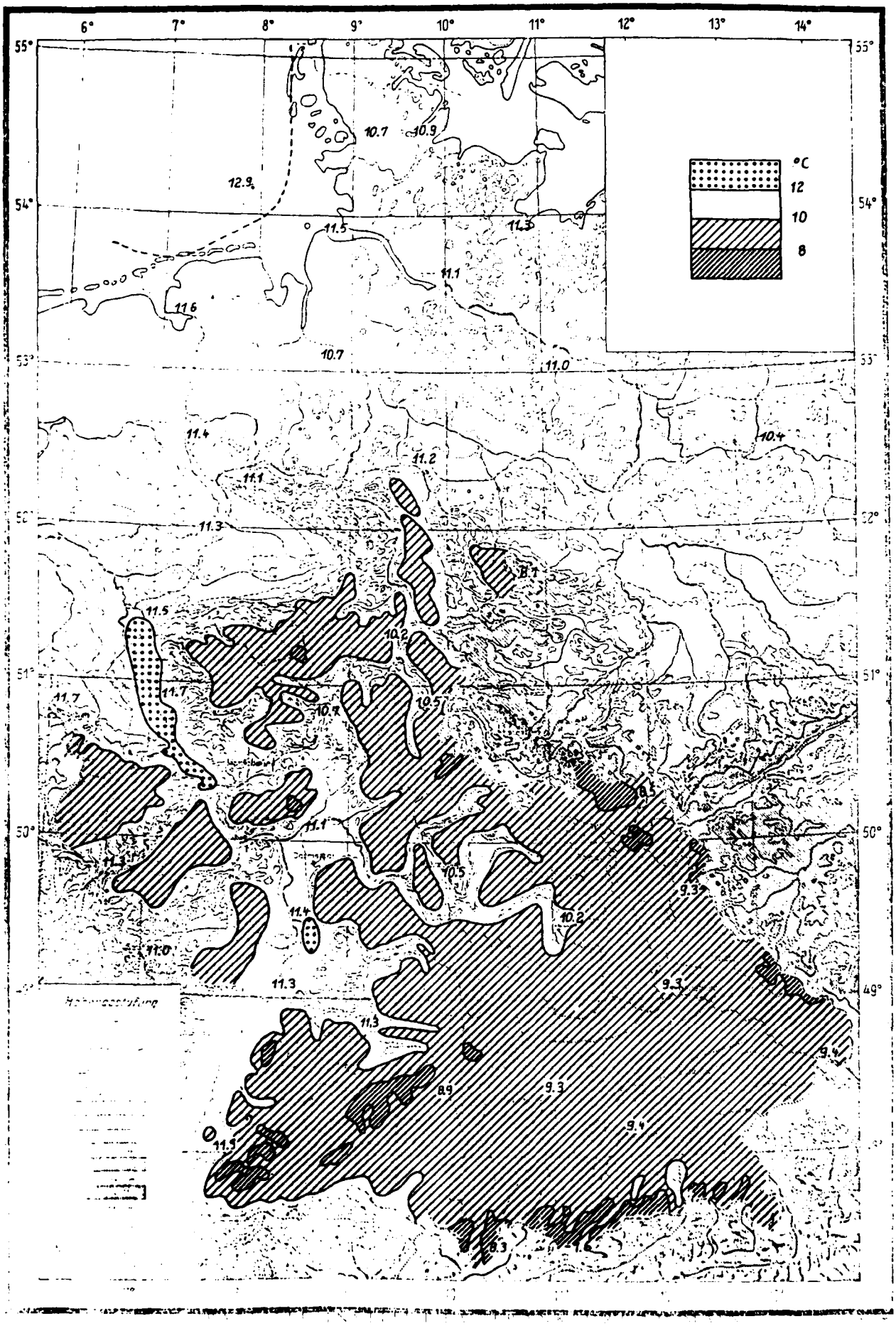


Table 3 ctd. (precipitation in mm)

Oktober 1984

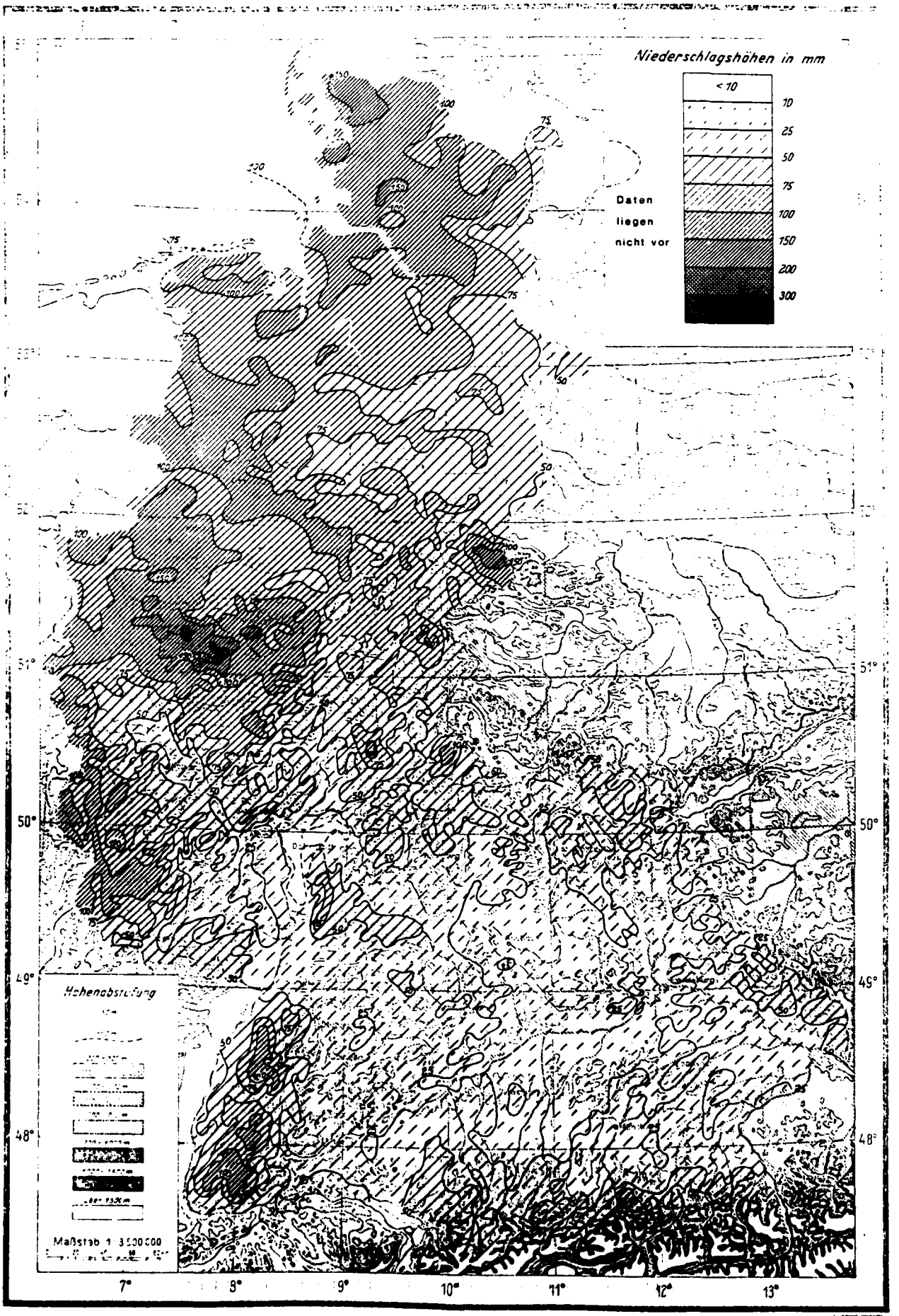


Table 3 ctd.(precipitation in % of 1931 – 1960 mean values) Oktober 1984

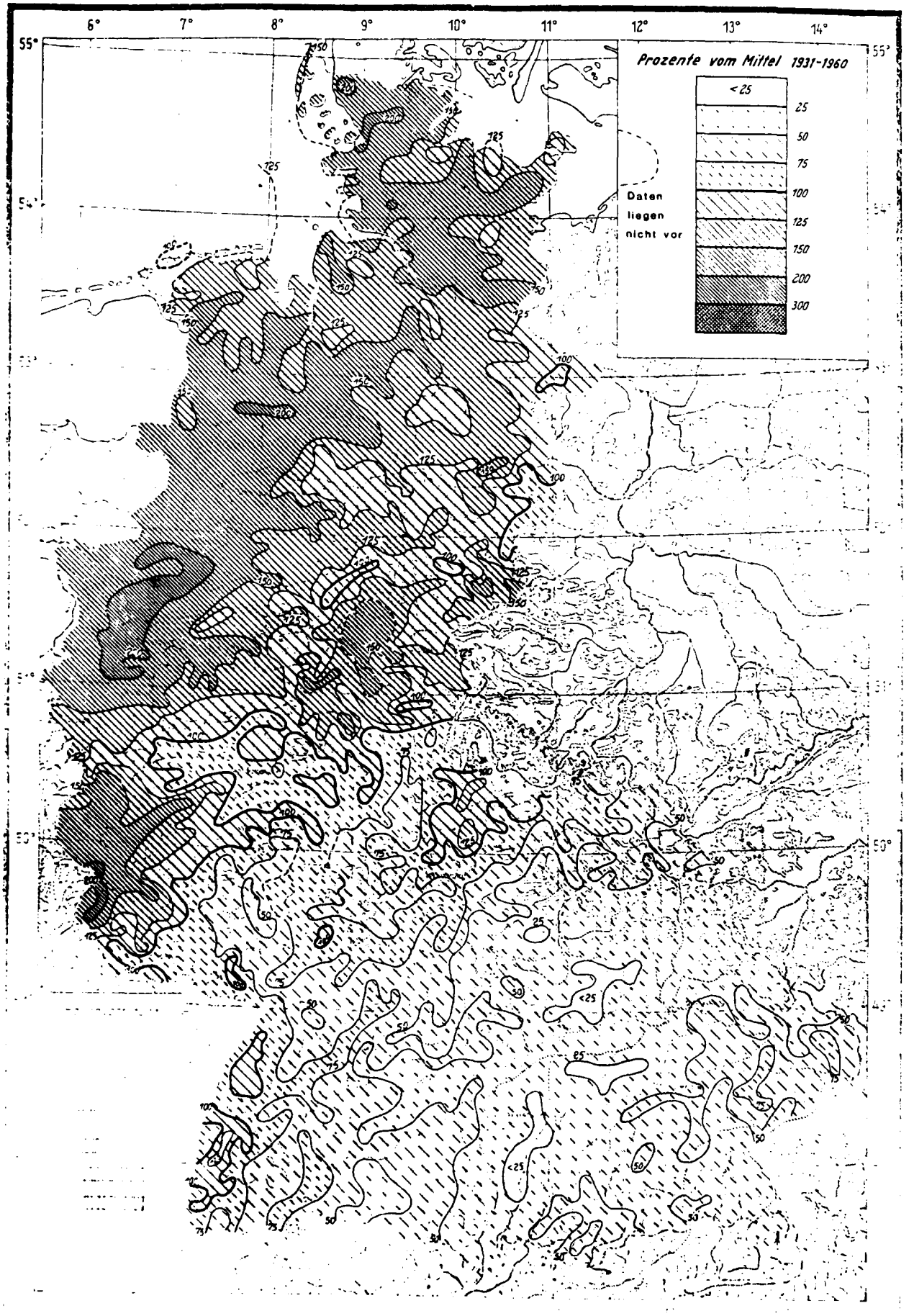


Table 3 ctd.(air temperature in % of 1931 – 1960 mean values)

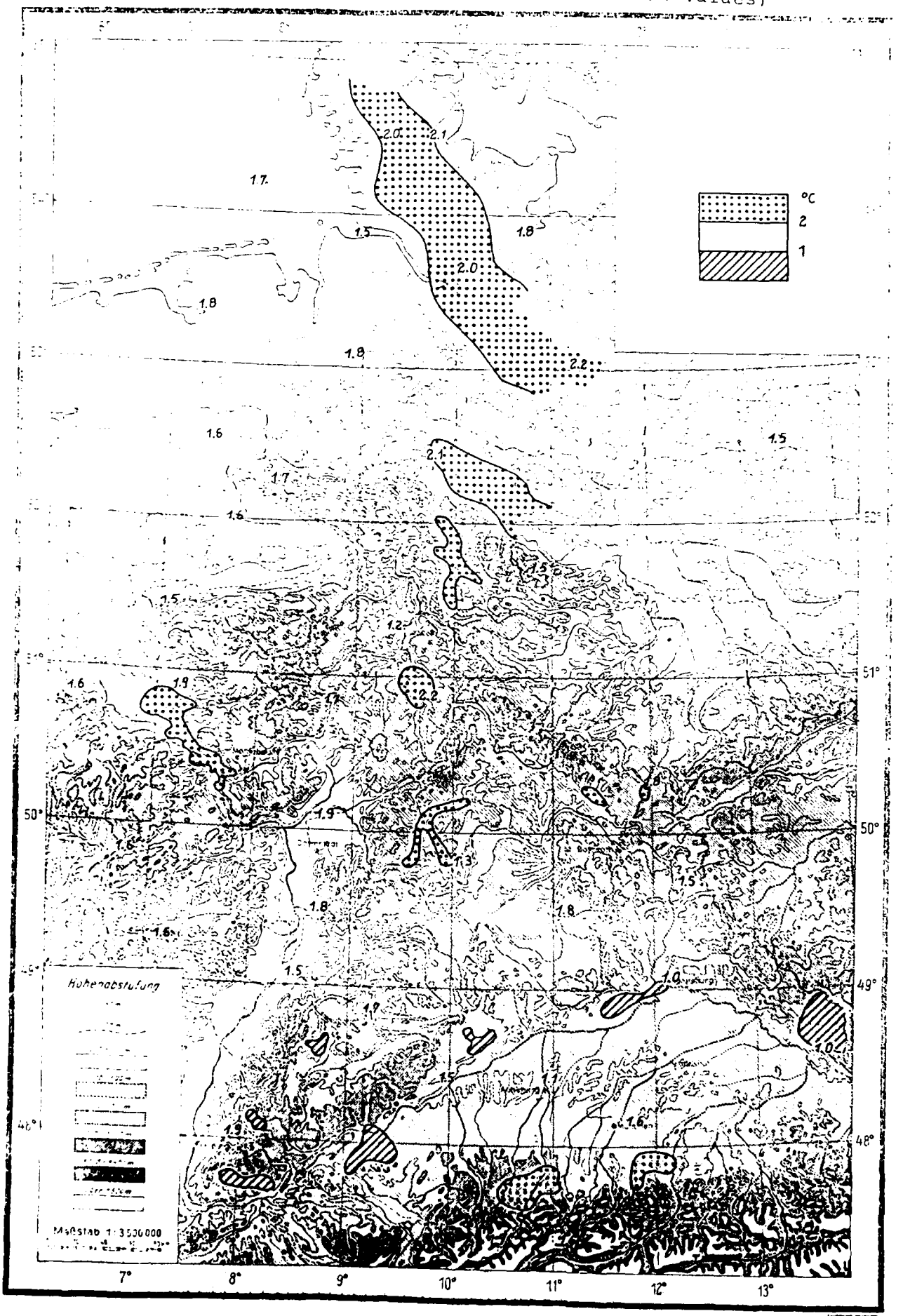


Table 4 Meteorological/Climatological Data for the Areas of Investigation (November 1984)

Monatswerte — November 1984

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0–8	Niederschlag: Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee: fall ≥ 0,1 mm	decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Schleswig-Holstein																												
List auf Sylt (Wst)	26	6.3	0.4	12.6	1.	0.4	16.19.	-1.5	20.	87	5.7	80	133	16	11	3	1	.	7	3	3	14	.	.	.	.	54	113
Leck (BW)	7	5.7	0.7	14.8	2.	-0.4	20.	-3.0	27.	87	5.4	84		17	12	2	2	.	9	2	3	14	.	.	1	.	56	
Flensburg (Schäferhaus)	41	5.5	0.6	14.5	2.	-1.0	27.	-3.4	27.	88	5.8	68	105	16	9	2	1	.	6	.	3	18	.	.	2	.	50	106
Wyk/Föhr	1	6.1		12.9	2.	-0.4	16.	-4.6	27.	89	5.9	83	126	14	9	3	1	.	4	1	5	19	.	.	1	.	48	
Stoltebull 1)	28	5.7	0.7	14.5	1.	-0.1	18.19.	-0.5	20.27.	86	5.5	70	127	11	7	2	1	.	4	2	4	16	.	.	2	.	49	
Schleswig (WA)	43	5.5	0.6	15.0	2.	-1.7	16.	-2.9	20.	86	5.5	69	101	16	8	3	2	2	8	.	3	16	.	.	5	.	59	129
Westermarkelsdorf-Fehmarn 1)	1	5.3	-0.3	14.0	1.	-1.2	18.19.	-2.1	14.	85	5.6	55	128	9	8	2	2	3	5	.	3	15	.	.	4	.	59	
Schwesing (BW)	28	5.0	0.2	14.2	1.	-1.7	16.	-2.6	20.	88	5.3	61	94	17	7	3	2	.	8	1	5	12	.	.	6	.	59	
Kiel-Kronshagen (Wst)	17	5.4	0.3	15.0	1.	-1.8	16.	-1.8	27.	83	5.6	75	136	13	6	3	2	2	5	.	4	16	.	.	7	.	57	125
Hohwacht	10	5.3	0.0	14.2	1.	-1.0	16.17.	-1.8	20.	86	5.0	78	147	12	7	3	2	1	6	.	6	13	.	.	5	.		
Erfde 1)	18	5.2	0.4	15.4	1.	-3.6	20.	-3.9	20.	87	5.2	72	104	13	8	3	2	1	7	.	5	13	.	.	7	1	67	
Sankt Peter-Ording	4	5.7	0.1	14.1	2.	-2.0	16.	-3.5	15.	87	6.0	72	114	18	9	3	2	1	6	1	.	16	.	.	6	1	56	
Rendsburg	8	5.2	0.3	15.0	1.	-1.7	16.	-4.8	14.	85	5.5	75	121	14	7	3	2	2	7	1	5	15	.	.	8	1		
Lenstahn	14	5.2	0.2	14.0	1.	-2.4	17.	-4.5	14.17.	86	5.4	84	150	9	6	3	2	2	5	.	4	15	.	.	6	1		
Heide, Holstein	12	5.3	0.3	15.5	1.	-2.1	20.	-2.3	14.15.	85	5.1	73	106	13	5	3	3	.	7	1	4	12	.	.	7	.		
Helgoland (Wst)	4	8.0	0.5	13.8	1.	0.0	16.	-0.3	16.	87	5.2	63	100	16	8	3	2	.	.	1	5	12	.	.	.	.	63	134
Plön (See) 1)	24	5.1	-0.1	13.9	1.	-2.5	16.	-2.0	17.	85	5.8	78	137	12	6	3	3	3	7	.	2	16	.	.	6	.	48	
Eutin	50	4.9	0.3	14.9	1.	-2.6	17.	-2.1	15.	85	5.6	82	132	14	7	3	3	3	9	.	2	15	.	.	7	1		
Hohenwestedt	80	4.5	0.2	14.0	1.	-2.9	16.	-4.7	14.	86	6.0	90	130	12	7	4	2	.	7	.	3	16	.	.	8	2		
Neumünster	21	5.1	0.3	15.2	1.	-3.0	16.	-5.8	17.	83	4.6	74	119	14	9	3	2	3	3	.	7	9	.	.	7	1		
Helse, Kr. Dithmarschen 1)	2	5.0	-0.1	14.5	1.	-2.1	16.	-2.5	14.15.	85	4.5	65	97	11	6	2	2	.	7	.	8	13	.	.	6	1	67	
Travemünde 1)	9	4.9	-0.2	14.1	1.	-2.7	19.	-3.5	20.	82	5.3	51	119	7	6	2	2	2	6	.	5	13	.	.	7	1	49	
Wahlstedt	45	4.9	0.3	15.5	1.	-3.1	16.	-3.3	15.	83	6.3	72		15	7	3	2	.	6	.	2	18	.	.	7	1		
Lübeck (Wst)	8	5.0	-0.2	15.6	1.	-3.2	16.	-3.9	20.	79	5.4	55	102	10	6	2	2	2	9	1	2	15	.	.	7	1	57	126
Brande-Hörnerkirchen 1)	9	5.1	0.5	16.0	1.	-2.1	16.	-4.5	14.	88	6.1	67		9	5	2	3	.	13	.	1	18	.	.	7	1	64	
Glückstadt 1)	2	5.3	0.1	16.0	1.	-2.8	16.	-2.5	15.16.	88	5.7	63	102	18	6	3	3	3	10	.	3	15	.	.	7	1	68	
Quickborn (EMG), Kr. Pinneberg	13	5.5	0.9	15.9	1.	-2.1	16.	-2.9	14.	82	5.3	66		10	5	2	3	3	11	.	4	14	.	.	7	1	55	
Ahrensburg-Wulfsdorf (AMBF)	46	5.0	0.4	15.0	1.	-2.4	16.	-4.1	15.	87	5.3	65	105	11	4	2	3	2	7	.	4	15	.	.	7	1	62	
Mölln 1)	27	4.6	0.1	15.1	1.	-2.7	16.	-4.4	14.	86	5.3	56	112	9	4	2	3	3	12	.	3	13	.	.	8	1		
Hamburg-Fuhlsbüttel (Flugh.)	13	5.4	0.5	15.5	1.	-2.8	16.	-3.7	20.	84	4.9	64	112	9	4	3	.	.	5	.	5	12	.	.	7	1	68	154
Bremerhaven (Wewa)	7	6.1	0.6	15.6	1.	-2.0	16.	-2.2	15.	86	5.1	69	108	11	4	2	2	2	3	.	4	11	.	.	5	.	77	153
Bremen (Flugh.)	4	5.7	0.8	15.6	1.	-1.9	16.	-2.6	15.	86	5.3	56	93	10	6	2	2	2	5	1	4	9	.	.	5	1	72	144
Niedersachsen																												
Cuxhaven (Wst)	5	5.9	0.2	16.4	1.	-1.1	17.	-1.6	17.	88	5.0	64	98	11	8	2	2	2	5	.	7	11	.	.	3	.	71	141
Wangerooge	3	6.2	0.1	15.7	1.	-1.6	16.17.	-2.9	16.	91	6.3	65	93	13	7	2	1	1	2	.	.	16	.	.	4	.		
Langeoog	5	6.2	0.1	15.2	1.	-1.5	17.	-1.5	16.17.	89	5.5	70	96	12	6	2	1	.	1	.	2	13	.	.	4	.		
Norderney (Wst)	11	6.4	0.1	15.8	2.	-1.1	16.17.	-1.7	15.	87	5.2	76	106	12	8	2	.	1	2	1	5	11	.	.	4	1	67	120
Bederkesa	27	5.3	0.2	15.0	1.	-2.1	16.	-3.0	14.	86	5.1	77	122	11	7	2	2	2	3	.	6	11	.	.	6	1		
Wilhelmshaven	1	6.2	0.7	15.7	1.	-1.5	16.	-1.5	15.	86	4.8	82	124	14	6	2	2	2	2	2	4	10	.	.	4	1		
Jever (BW)	7	6.0	0.6	15.6	1. 2.	-1.5	16.	-2.2	16.	83	5.0	71	100	14	6	3	2	1	5	.	5	10	.	.	4	1	71	
Jork	1	5.1	0.3	15.3	1.	-2.9	20.	-3.2	20.	83	5.1	50	86	9	5	2	2	2	7	1	5	13	.	.	7	1	69	
Bremervörde	5	5.3	0.4	15.3	1.	-2.4	16.	-3.7	14.	83	5.0	69	105	8	6	2	1	3	5	.	7	16	.	.	6	1		
Aurich	4	5.8	0.5	16.3	1.	-1.9	16.	-2.9	27.	88	6.1	76	103	14	6	3	2	.	2	.	.	16	.	.	5	1	59	
Emden-Nesserland (Wst)	5	6.5	0.9	16.0	2.	-2.0	15.	-2.9	15.	85	5.1	67	94	11	6	2	1	.	2	.	4	13	.	.	4	1	69	128

1) Sonnenscheindauer nicht direkt am Standort der Station registriert *) vom Mittel 1931-1960 **) vom Mittel 1951-1960
Abkürzungen: WA = Wetteramt, Wewa = Wetterwarte, Wst = Wetterstation, AMBF = Agrarmeteorologische Beratungs- und Forschungsstelle, BW = Bundeswehr, Khst = Klimahauptstation, Nst = Niederschlagsstation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Brake (Unterweser)	5	6.2	1.0	15.5	1.	-1.5	16.	-1.5	17.	89	5.8	50	82	11	5	2	2	2	6	.	2	11	.	.	3	.	69	
Buchholz i.d. Nordheide	77	4.6		16.1	1.	-3.4	20.	-4.5	20.	90	5.6	62		9	5	2	1	3	10	.	4	17	.	.	8	1	55	
Teufelsmoor	6	5.2	0.4	14.4	1.	-2.1	15.	-3.3	15.	86	6.1	67	103	8	6	2	1	.	9	.	.	18	.	.	5	1		
Emsbüren	11	5.3	0.3	16.0	1.	-2.3	16.	-5.5	14.	79	4.9	51	98	9	4	2	2	1	4	.	6	13	.	.	7	1	73	
Oldenburg (I)	5	5.9	0.5	16.1	1.	-2.5	15.	-3.2	15.	84	5.5	61	92	13	6	3	2	.	3	.	.	13	.	.	5	.	72	
Rotenburg (Wümme)	24	5.0	0.0	15.9	1.	-2.9	16.	-2.5	17.	76	5.3	54	87	10	6	2	2	1	7	.	6	16	.	.	6	1		
Ems sov the Ems-Vechtekanal	8	6.2	1.2	16.2	1.	-1.2	16.	-2.0	14.15.	83	5.2	61	94	9	5	3	1	.	3	.	6	14	.	.	5	1	56	
Soltau (WSt)	77	5.1	0.5	15.8	1.	-2.7	16.	-3.4	14.	85	5.3	64	100	9	6	2	2	3	8	1	4	13	.	.	7	1	76	161
Dörpen	6	6.8	1.4	16.9	1.	-1.1	17.	-2.6	14.	85	5.1	69		8	5	3	1	.	1	.	4	10	.	.	5	1		
Uelzen	45	4.8	0.3	16.1	1.	-2.8	16.	-3.7	15.	90	5.4	65	130	8	7	3	2	2	11	1	7	16	.	.	9	1	71	
Fuchow (WSt)	17	4.5	-0.1	15.6	1.	-2.4	16.	-3.3	14.	86	5.9	49	114	11	6	2	2	3	9	1	2	17	.	.	8	1	72	138
Ahlhorn (BW)	48	6.2		15.4	1.	-1.7	17.	-2.6	17.	84	5.2	58		10	4	2	1	.	3	.	4	9	.	.	5	1	71	
Bassum (Luftsch.-Warnamt)	53	5.8		15.3	1.	-2.0	17.	-2.6	15.	86	5.2	55		10	5	2	2	2	4	.	5	11	.	.	5	.		
Gütersloh	98	5.0	0.7	16.3	1.	-3.1	16.	-3.3	14.	84	5.4	64	102	9	7	2	2	3	2	.	4	16	.	.	7	1		
Lonningen	36	6.8	1.5	17.6	1.	-1.5	17.	-2.0	15.	83	5.8	54	81	10	7	2	1	.	1	.	.	14	.	.	3	.	62	
Hankensbüttel	84	4.3	0.0	15.6	1.	-3.0	16.	-7.5	14.	87	5.7	59	105	8	7	2	2	3	12	.	3	17	.	.	9	1		
Nienburg	26	5.8	0.6	16.5	1.	-1.5	16.	-2.6	15.	83	4.7	59	107	10	6	2	2	.	1	2	6	9	.	.	5	.	68	
Lingen (WSt)	21	7.4	1.7	17.3	1.	-0.4	17.	-1.3	15.	80	4.9	68	100	8	7	2	1	.	.	2	4	9	.	.	1	.	69	138
Althausen	48	6.6	1.5	17.0	1.	-0.8	15.17.	-2.8	14.	84	5.3	44	66	6	5	2	1	.	.	1	6	14	.	.	4	.		
Hannover-Langenhagen (Flugh.)	53	5.8	0.7	15.9	1.	-1.7	14.17.	-3.6	14.	85	5.2	54	104	9	7	2	2	2	5	2	3	11	.	.	4	.	87	167
Nordhorn	24	7.0	1.3	17.5	1.	-0.4	17.	-2.1	19.	82	5.1	69	103	12	7	3	2	.	2	2	3	12	.	.	2	.		
Wolfsburg-Fallersleben	74	5.2		15.7	1.	-1.5	15.16.	-2.5	15.	84	4.2	53	100	11	6	3	2	2	8	.	6	10	.	.	6	.		
Braunschweig-Volkenrode (WSt)	81	5.6	0.6	17.6	1.	-2.2	14.	-6.2	14.	82	5.0	56	112	11	8	2	2	3	8	1	5	10	.	.	4	.	80	162
Osnabrück (WSt)	95	7.0	1.6	17.1	1.	-1.1	15.	-3.1	14.	80	5.3	63	98	11	6	3	2	2	.	1	4	12	.	.	3	.	69	133
Amsterum	395	4.6		16.0	8.	-5.0	15.	-4.4	15.	87	5.7	71	96	12	8	3	3	2	14	2	1	13	.	.	7	3		
Helmstedt	144	4.9	0.2	17.9	1.	-2.6	15.	-3.7	16.	81	5.7	51	98	9	6	3	3	3	7	1	2	13	.	.	6	2		
Hildesheim	100	5.8	0.6	16.6	2.	-2.6	14.	-4.6	14.	84	5.5	38	78	9	7	1	2	3	5	1	3	13	.	.	5	.		
Hameln	64	6.6		15.7	24.	-1.4	15.	-3.2	15.	83	4.9	47	81	9	7	2	1	1	3	.	4	7	.	.	3	.		
Salzgitter-Ringelheim	130	5.4		17.1	1.	-3.3	14.	-5.9	14.	83	4.9	31	61	7	5	1	1	.	8	.	6	11	.	.	9	.		
Bad Harzburg	260	5.3	0.5	17.7	1.	-4.8	15.	-5.8	15.	83	4.8	32	50	9	5	2	2	1	7	.	6	9	.	.	8	1	59	
Hahnenklee	553	4.9	2.4	17.0	2.	-5.4	15.	-6.8	15.	83		59	57	9	6	2	2	1	13	1			.	.	7	2	81	
Schmiedeberg	504	4.8		19.2	2.	-4.2	15.	-7.4	15.	84	4.2	66		9	6	2	2	1	7	1	7	8	.	.	9	.	98	
Holzminden	128	6.4	1.0	14.8	24.	-1.2	14.	-4.9	14.	79	5.6	56	90	8	7	2	1	.	2	.	3	10	.	.	2	.	48	
Embeck	105	5.9	1.1	14.9	24.	-3.1	15.	-3.8	15.	83	6.2	31	57	7	6	1	1	.	3	.	.	16	.	.	4	.	54	
Bad Grund	300	4.3		12.2	24.	-5.1	15.			90	5.2	46	53	8	5	2	2	.	7	.	5	14	.	.	9	.	70	
Clausthal	563	4.5	2.0	15.0	2.	-3.3	15.			81	5.0	67	61	10	7	2	2	.	8	.	6	12	.	.	6	.	89	198
Altenau	495	4.4		17.5	2.	-5.2	15.			84	4.6	75	68	9	5	2	2	1	8	.	6	12	.	.	13	.	87	
Holzminden-Silberborn	440	4.7		15.0	2.	-3.4	15.			82	5.4	57	63	8	6	2	1	1	5	.	6	13	.	.	4	.	57	
Braunlage (WSt)	607	4.1	2.0	18.3	2.	-4.7	15.	-8.8	14.	82	5.6	124	107	10	6	3	4	3	10	2	4	13	.	.	10	3	83	177
Bad Lauterberg	317	5.2		16.1	1.	-2.4	14.			82	5.3	50	54	8	6	2	2	.	5	.	5	11	.	.	6	.	82	
Göttingen (WSt)	175	5.9	0.9	15.4	1.	-3.0	15.	-5.4	15.	82	5.9	44	92	8	4	2	1	.	1	1	2	16	.	.	3	.	63	123
Berlin-Dahlem (Meteorol. Inst.)	51	4.3	-0.2	12.5	24.	-3.2	16.	-3.2	14.16.	82	5.3	46	100	11	6	2	4	4	6	2	4	15	.	.	8	.	78	155
Nordrhein-Westfalen																												
Bad Salzuflen (WSt)	98	7.2	1.6	14.7	23.24.	-0.6	15.	-2.5	15.	78	5.6	44	66	11	6	2	2	1	2	.	3	15	.	.	2	.	72	138
Münster (WSt)	62	7.4	1.7	18.9	1.	0.4	14.	-1.4	14.	81	5.3	54	87	10	5	2	1	.	.	.	3	11	.	.	.	.	70	125
Gütersloh	72	7.1		17.2	1.	0.0	5.	-2.1	15.	81	4.8	58	91	12	8	2	2	.	3	1	6	8	.	.	.	.		
Bocholt-Liedern (WSt)	21	7.8	2.2	17.2	2.	1.2	15.	-0.7	15.	85	5.2	50	78	15	7	2	.	.	1	.	4	11	.	.	.	.	66	116
Bad Lippspringe (WSt)	157	7.5	2.1	17.0	1.	-0.3	15.	-2.0	15.	77	5.2	58	78	9	8	2	2	.	.	1	5	12	.	.	1	.	73	
Kleve	45	8.0	2.0	16.8	1.	1.5	27.	0.3	14.27.	83	5.6	50	75	14	7	1	.	.	.	1	1	11	.	.	.	.	57	
Lippstadt-Bokenforde	92	7.7		19.8	1.	-0.8	19.	-3.1	19.	78	4.6	42		9	8	1	1	.	.	1	5	5	.	.	2	.	79	
Borgentreich-Bühne	240	5.7	1.5	14.1	24.	-1.7	15.	-2.6	15.	83	6.3	36	60	8	5	1	2	.	2	.	.	16	.	.	3	.		
Essen-Bredeney (WA)	154	8.5	2.7	18.0	2.	2.4	17.	1.1	17.	77	5.4	51	61	14	8	1	.	.	1	.	3	13	.	.	.	.	65	122
Hagen-Hohenley	100	7.9		20.0	2.	-0.2	14.	-2.2	14.	80	5.0	49		10	8	2	.	.	.	.	5	12	.	.	1	.		
Arnsberg	218	6.9	2.2	19.0	2.	-1.5	19.	-3.2	19.	77	5.1	60	73	12	8	2	.	.	1	1	4	9	.	.	3	.	70	

Table 4 ctd.

Station	Höhe über NN m	Lufttemperatur in °C Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0–8	Niederschlag Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee fällt ≥ 0,1 mm	Schneedecke ≥ 50 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Tönisvorst	39	8.0	2.0	16.3	24.	2.7	5.	0.6	27.	85	5.2	60	94	16	12	1	.	.	.	.	3	11	.	.	.	.		
Wuppertal Buchenhofen	128	8.4	2.8	17.6	1.	2.0	15.	1.5	19.	80	5.3	85	86	15	9	2	.	.	.	.	5	15	.	.	.	.		
Lüdenscheid	444	7.0	3.1	17.2	2.11.	0.2	15.	-0.5	19.	75	5.4	108	94	10	7	3	.	.	3	1	5	14	.	.	.	.	71	144
Düsseldorf (Südfriedhof)	37	8.3	2.1	16.7	23.	1.6	27.	-1.6	5.	79	5.0	82	130	17	11	1	.	.	.	.	4	8	.	.	.	.	52	104
Kahler Asten (Wst)	839	4.0	2.9	16.4	10.	-3.3	16.	-3.3	16.	83	6.0	114	86	9	8	3	5	5	18	1	3	17	.	.	10	2	64	140
Köln (Bot. Garten)	45	8.0	1.8	16.4	24.	2.7	27.	1.1	27.28.	80	4.9	72	122	15	9	1	.	.	.	.	5	11	.	.	.	.		
Köln-Wahn (Flugh.)	73	7.4	1.7	16.5	24.	0.6	19.	-1.4	14.	80	5.0	68	124	12	9	1	.	.	.	1	5	10	.	.	.	.	63	
Siegen	263	6.0	1.5	15.0	1.	-0.6	14.	-1.0	14.	85	5.4	100	119	10	7	4	.	.	6	1	4	14	.	.	2	.		
Aachen (Wst)	202	9.6	3.6	21.6	2.	2.3	17.	0.7	17.	75	5.3	65	97	14	10	1	.	.	1	1	3	14	.	.	.	.	66	106
Euskirchen	176	7.7	1.9	18.5	1.	1.2	19.	0.3	19.	79	5.0	58	145	15	8	1	.	.	2	1	4	8	.	.	.	.		
Roetgen	440	8.3	4.1	18.0	2.	1.6	27.	-1.4	27.	77	5.1	99	103	13	9	4	.	.	1	1	5	13	.	.	.	.		
Sistig	505	7.2		17.0	2.10.	0.5	4.	-0.5	4.27.	79	5.4	114		13	8	3	.	.	1	1	2	11	.	.	.	.	68	
Hessen																												
Arolsen	220	4.9	0.7	14.0	24.	-3.0	30.	-5.0	30.	82	5.7	50	94	9	7	2	2	.	1	.	1	12	.	.	4	.		
Witzenhausen	133	5.8	0.7	15.0	24.	-2.7	15.	-5.0	15.	87	6.0	53	98	8	5	1	2	.	7	.	.	13	.	.	3	.		
Willingen/Upland	580	5.4	2.3	18.3	2.	-1.5	4.	-3.5	4.	77	5.3	99	85	10	9	3	2	1	4	.	4	14	.	.	7	.	66	121
Kassel (Wst)	231	5.5	0.8	14.4	24.	-1.5	15.	-4.3	15.	84	6.0	58	116	9	6	1	2	1	3	.	2	15	.	.	2	.	50	
Waldeck	376	4.3	0.4	13.0	24.	-1.6	15.	-4.0	15.	87	6.9	71	154	8	8	3	2	1	10	.	.	20	.	.	3	.		
Eschwege	205	5.2	0.6	14.5	24.	-3.5	15.	-6.3	15.30.	84	5.4	49	120	10	6	1	1	.	12	.	2	10	.	.	5	.		
Melsungen	190	5.4	0.6	14.7	24.	-3.1	14.	-3.6	14.	81	6.3	58	116	10	7	1	2	1	4	1	.	16	.	.	4	.		
Frankenberg/Eder	290	4.0	0.5	13.8	23.	-4.1	13.	-4.8	14.	92	6.3	92		8	8	3	2	.	13	.	.	16	.	.	8	.		
Biedenkopf 1)	290	4.1	0.0	14.0	23.	-4.4	14.	-4.6	14.	90	6.5	132	191	9	7	4	1	.	19	1	.	18	.	.	9	.	33	
Neukirchen-Hauptschwenda 1)	500	4.5	1.8	15.0	1.	-2.4	15.	-2.8	15.	86	5.5	65	102	9	6	2	2	1	15	1	3	13	.	.	6	.	36	
Bad Hersfeld (Wst)	212	5.1	0.9	14.2	24.	-3.2	14.	-5.6	14.	85	6.0	88	166	9	6	3	2	1	9	1	1	14	.	.	5	.	42	102
Marburg 1)	195	5.1	0.2	14.5	24.	-2.8	14.	-4.9	14.	84	6.0	74	145	10	6	2	1	.	4	.	1	15	.	.	5	.	31	
Dillenburg	266	4.3	-0.2	14.9	23.	-4.9	14.	-7.0	14.	89	6.2	97	137	13	7	2	.	.	12	1	.	16	.	.	10	.		
Wartenberg-Angersbach	276	4.3	0.3	13.8	1.	-4.2	14.	-5.5	14.	87	6.7	91	178	10	7	3	2	.	6	1	.	17	.	.	9	.		
Gießen (Liebigshöhe, Wst)	186	5.3	0.6	15.4	23.	-2.2	14.30.	-6.9	30.	89	6.0	83	180	8	6	2	.	.	4	1	1	14	.	.	4	.	36	80
Fulda	255	4.5	0.5	15.5	1.	-3.9	30.	-7.3	30.	84	4.8	80	190	8	7	3	.	.	8	.	4	9	.	.	10	.	57	124
Schotten	315	5.3	1.0	14.2	8.	-3.3	30.	-2.8	30.	83	5.4	79	93	9	8	3	.	.	2	.	1	11	.	.	7	.	26	58
Wasserkuppe (Wst)	921	4.0	3.2	17.1	2.	-3.6	16.	-7.4	20.	77	5.4	70	84	9	7	3	3	5	18	2	4	11	.	.	10	2	97	190
Grebenhain-Herchenhain	608	4.0	1.8	14.2	1.	-2.8	30.	-3.1	16.	84	5.9	96	86	14	7	3	2	1	14	.	2	16	.	.	7	.		
Limburg/Lahn	118	5.5	0.4	16.0	23.24.	-2.4	14.	-3.4	14.	81	5.5	60	120	11	7	2	.	.	6	1	2	10	.	.	5	.	36	
Bad Nauheim	160	5.1	0.4	14.9	23.24.	-2.6	14.	-4.0	14.	87	5.0	53	113	10	6	1	.	.	2	1	2	6	.	.	6	.		
Mittel-Grundau	155	5.9		15.4	23.	-1.2	28.30.	-2.1	30.	87	5.9	54		11	6	1	.	.	2	.	1	14	.	.	5	.	54	
Kl. Feldberg/Ts. (Wst)	805	4.3	2.7	15.2	10.	-4.2	16.	-4.5	16.	83	5.7	69	85	10	6	3	4	.	18	1	4	15	.	.	9	1	51	112
Frankfurt a. M. (Stadt)																												
Wiesbaden (Süd)	145	5.8	0.8	15.0	23.	-1.0	30.	-5.0	30.	90	5.7	55	106	11	8	1	.	.	4	.	1	15	.	.	1	.		
Frankfurt a. M. (Flugh.)	112	5.8	1.0	15.3	24.	-2.7	28.	-5.0	28.	85	5.7	52	98	9	6	2	.	.	4	1	.	12	.	.	4	.	43	98
Geisenheim (AMBF)	118	5.9	0.5	16.0	23.	-0.8	14.	-3.0	30.	85	6.1	39	93	15	8	1	.	.	6	.	2	17	.	.	2	.	44	111
Darmstadt (Wst)	108	5.9	0.3	16.6	24.	-5.1	30.	-7.0	30.	85	5.7	38	83	10	5	1	.	.	7	1	2	13	.	.	5	.	59	113
Lindenfels-Winterkasten																												
Beerfelden	450	4.9	1.3	16.2	1.	-2.1	15.30.	-4.7	15.	86	6.4	81	91	10	8	2	.	.	8	.	.	17	.	.	6	.	71	161
Saarland																												
Weiskirchen/Saar	368	6.3		15.6	1.	-0.9	28.	-3.1	27.	86	5.5	148		16	10	4	.	.	8	1	5	16	.	.	3	.		
Nennig	153	7.4	1.8	15.9	23.	-0.5	27.	-1.5	27.	84	6.5	81	127	16	9	2	.	.	9	.	.	16	.	.	1	.		
Lestersweiler	420	5.2		13.0	23.	-2.2	28.	-5.0	30.	97	5.8	127		10	9	3	.	.	14	.	4	16	.	.	5	.		
Tholey (Wst)	396	5.2		12.4	1.	-1.2	28.	-3.5	27.	89	5.9	144		14	9	3	.	.	9	2	3	18	.	.	3	.	53	
Huttersdorf	223	6.2	1.2	14.8	23.	-1.2	13.	-3.5	30.	89	5.5	136	179	10	9	3	.	.	4	.	5	16	.	.	4	.		
Neunkirchen-Wellesweiler	236	5.6		15.4	23.	-2.5	30.	-4.1	30.	85	6.8	82	101	14	12	4	.	.	10	1	.	20	.	.	6	.		
Homburg/Saar	235	5.4	0.6	14.8	23.	-4.0	30.	-6.0	30.	88	6.4	101	149	15	10	3	.	.	17	1	1	18	.	.	9	.		
Berus (Wst)	363	5.8	1.4	12.6	23.	-0.8	28.	-2.0	27.	90	6.0	104	142	15	11	3	.	.	15	.	2	16	.	.	1	.	39	70
Völklingen (KW-Fenne)	187	6.8		14.7	23.	-0.8	30.			90	6.3	78		13	9	2	.	.	6	.	.	16	.	.	1	.		
Saarbrücken St. Johann	193	6.9	1.6	15.5	23.	-0.2	30.	-4.5	30.	84	5.7	89	131	13	10	2	.	.	16	.	1	12	.	.	2	.	28	57
Saarbrücken-Ensheim (Flugh.)	323	5.8	1.1	14.3	23.	-1.7	27.	-3.7	27.	89	6.2	91	132	15	10	2	.	.	11	1	.	18	.	.	2	.	43	82

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rheinland-Pfalz																												
Hilgenroth	290	6.0	1.4	14.2	1. 8.	0.0	19.	-1.8	19.	85	5.6	92	112	10	8	2	1	.	1	.	5	19	.	.	.	.		
Bad Marienberg (Wst)	547	4.3	1.4	14.1	1.	-2.0	15.	-5.3	15.	88	5.7	128	133	14	9	3	1	.	14	1	2	16	.	.	6	.	59	117
Bad Neuenahr-Ahrweiler	111	7.4	1.5	17.0	22.23.	0.0	14.	-3.0	3.	86	5.4	57	119	9	6	1	.	.	8	.	.	9	.	.	.	.	52	
Neuwied-Wolfendorf	121	6.3		15.8	24.	-0.9	14.	-3.3	28.	85	5.5	44	76	12	8	1	.	.	4	1	2	11	.	.	3	.		
Niederelbert	250	5.1		15.2	23.	-3.0	14.	-3.8	14.	85	5.6	78	95	12	9	2	1	.	10	1	4	15	.	.	6	.		
Koblenz (Süd)	72	7.3	1.2	16.5	23.	1.1	14.	0.1	14.27.	86	6.5	41	89	13	8	1	.	.	1	.	.	15	.	.	.	.		
Nürburg (Wst)	627	5.0	2.1	15.2	1.	-0.6	17.	-1.0	28.	88	5.6	86	134	14	9	3	2	.	17	.	3	16	.	.	5	.	62	
Mayen	270	5.8	1.0	14.2	23.	-0.9	14.	-2.4	15.	87	5.5	52	104	14	10	2	.	.	16	.	3	12	.	.	3	.		
Bad Ems	77	6.9	1.3	17.9	23.	-0.1	14.	-1.4	14.	86	7.0	42	75	10	8	1	.	.	3	1	1	22	.	.	1	.		
Schmittelforsthaus	657	5.4	2.7	15.4	11.	-1.6	28.	-2.2	28.	87	6.0	134	137	16	11	4	1	.	15	.	3	19	.	.	4	.		
Weitersenten	530	5.5	2.1	14.3	2.	-1.0	28.	-1.9	28.	90	6.5	114	136	16	11	4	1	.	16	.	1	22	.	.	2	.	51	
Manderscheid/Eifel	403	5.3	1.4	16.1	1.	-1.4	14.27.	-4.2	27.	91	5.4	115	153	15	11	4	.	.	10	.	5	15	.	.	6	.	39	
Blankenrath	400	5.6	1.7	14.2	1.	-0.5	28.	-2.4	14.	91	6.1	88	149	11	11	3	.	.	7	.	2	16	.	.	1	.		
Simmern-Wahlbach	440	4.8	1.0	13.9	23.	-2.0	28.	-3.0	14.28.	88	5.7	52	111	16	7	1	1	.	7	.	.	11	.	.	7	.		
Mainz	125	6.2	0.8	15.0	24.	-0.4	14.	-2.2	30.	79	5.1	51	121	11	9	1	.	.	2	.	6	12	.	.	1	.		
Bernkastel	120	7.0	1.1	16.7	23.	0.6	14.30.	-1.7	30.	86	6.8	59	113	16	9	3	.	.	9	.	.	22	.	.	.	.	23	63
Bad Kreuznach	159	5.2	0.0	15.0	23.24.	-2.4	14.	-4.8	14.	88	6.4	33	83	16	7	1	.	.	7	.	3	19	.	.	4	.	40	104
Herrstein	345	4.6	0.6	13.8	23.	-2.7	30.	-4.2	30.	88	6.4	64	102	12	9	2	1	.	11	.	.	16	.	.	7	.		
Denselbach (Wst)	480	6.5	2.4	17.8	2.	-1.1	28.	-2.1	28.	81	5.5	60	79	13	8	2	.	.	2	.	4	16	.	.	2	.	80	140
Trier (Stadt)	144	6.8	1.2	16.2	30.	0.3	28.	-1.9	28.	86	6.3	68	115	15	10	3	.	.	7	.	1	18	.	.	.	.	20	
Trier-Petrisberg (WA)	265	6.3	1.2	14.9	30.	-0.6	28.	-2.2	28.	88	6.4	74	123	20	10	2	.	.	14	.	1	18	.	.	1	.	35	84
Alzey	166	5.0	0.3	15.7	23.24.	-3.0	30.	-4.3	30.	92	5.8	39	111	14	8	1	.	.	17	.	1	15	.	.	8	.	36	90
Birkenfeld-Feckweiler	395	4.3	0.6	13.4	1.	-3.5	14.	-5.5	30.	90	6.2	151	176	10	10	3	.	.	9	1	3	19	.	.	10	.		
Ruppertsecken	488	5.1		12.5	23.	-0.8	15.28.	-2.2	28.	83	4.9	46	98	12	8	1	.	.	7	.	5	11	.	.	5	.		
Kaiserslautern	248	5.2	-0.2	14.6	23.	-2.4	28.	-3.9	30.	89	6.4	49	89	10	8	2	.	.	9	1	1	20	.	.	7	.	50	
Weinbiet (Wst)	553	4.6	1.2	15.5	1.	-2.4	30.	-2.4	28.	87	5.5	33		12	8	1	.	.	16	.	2	14	.	.	6	.	77	158
Neustadt/Wstr. (Heidehof)	125	5.4	0.4	16.1	24.	-3.5	28.	-6.4	30.	88	5.6	43	110	13	6	2	.	.	7	.	3	12	.	.	10	.	52	
Pumasens	280	5.0		14.5	23.	-3.8	30.	-6.5	30.	91	6.1	85	115	14	10	3	.	.	11	1	2	17	.	.	11	.		
Bad Bergzabern 1)	180	5.7	0.5	15.8	24.	-1.5	29.30.	-4.5	30.	90	5.7	60	94	10	9	3	.	.	5	.	.	6	.	.	4	.	51	
Baden-Württemberg																												
Wertheim-Eichel	140	5.4	0.9	18.8	11.	-2.8	30.	-3.5	14.	82	4.7	37	66	9	7	1	.	.	7	.	.	4	.	.	6	.		
Lauda-Königshofen-Gerlachsheim	199	5.2		15.3	24.	-3.7	30.	-4.6	16.	85	6.3	48	107	9	8	2	.	.	11	1	.	17	.	.	9	.		
Mannheim (Wewa)	96	5.6	0.5	16.5	24.	-3.5	30.	-6.2	30.	89	5.7	38	93	11	7	2	.	.	12	.	1	15	.	.	6	.	58	118
Buchen, Kr. Neckar-Odw.	350	4.2	0.7	15.0	24.	-3.2	29.	-5.5	29.30.	87	6.2	56	95	10	6	2	1	.	6	.	.	16	.	.	9	.	46	99
Bad Mergentheim-Neunkirchen	250	4.7	0.5	15.0	24.	-4.5	29.	-5.5	14.	87	6.2	38	86	10	7	1	.	.	5	.	1	16	.	.	11	1		
Eberbach/Neckar	176	5.5	0.8	15.8	24.	-3.8	30.	-5.4	14.15.	84	6.3	74	93	10	7	2	.	.	5	.	1	16	.	.	6	.		
Heidelberg 1)	111	7.0	0.9	16.5	24.	-1.7	30.	-2.0	30.	79	5.3	46	77	8	7	2	.	.	6	.	4	12	.	.	1	.	56	127
Neudenau	210	5.5	0.8	16.6	24.	-3.8	29.	-4.2	29.	89	5.2	52	76	8	6	2	.	.	8	.	.	8	.	.	7	.		
Ingelfingen	209	5.5	1.1	16.5	24.	-3.6	30.	-5.7	30.	82	5.7	48	72	8	6	2	.	.	4	1	.	10	.	.	6	.		
Philippsburg	100	6.5	1.4	16.0	23.	-1.4	29.30.	-2.5	29.	89	6.5	44	79	14	8	1	.	.	10	.	.	16	.	.	3	.		
Ohringen (Wst)	276	5.6	1.0	15.5	24.	-1.8	28.	-6.0	29.	84	5.0	49	77	10	6	1	.	.	5	.	4	9	.	.	8	.	79	139
Heilbronn	167	5.6	0.3	17.2	24.	-3.3	30.	-4.3	30.	84	4.7	39	70	10	7	1	.	.	6	1	4	7	.	.	7	.		
Eppingen	210	5.7	1.0	16.7	24.	-3.1	29.	-5.0	29.	87	5.2	38	67	8	7	1	.	.	12	.	3	11	.	.	5	.		
Crailsheim	418	4.5	1.1	14.8	24.	-5.4	29.	-5.6	29.	81	6.0	51	82	10	7	2	.	.	2	.	.	15	.	.	9	.		
Schwäbisch Hall-Teurershof	379	5.0		17.3	1.	-3.8	29.	-7.3	30.	88	6.5	50		12	7	2	.	.	7	.	.	17	.	.	9	.	60	
Karlsruhe (Wst)	112	6.2	0.9	16.5	24.	-3.0	30.	-5.0	29.30.	87	6.0	59	104	13	9	2	.	.	14	.	2	18	.	.	4	.	60	124
Forchheim, Kr. Karlsruhe	116	6.2	1.1	17.2	24.	-3.1	29.	-7.5	29.30.	91	7.2	105	191	10	10	3	.	.	11	.	.	22	.	.	5	.	34	80
Murrhardt	344	4.7	0.7	15.2	24.	-4.4	30.	-5.5	30.	88	5.0	54	71	9	8	1	.	.	5	.	2	10	.	.	9	.		
Ellwangen/Jagst	443	4.5	1.3	15.5	24.	-5.3	29.	-5.5	29.	85	5.0	41	68	10	6	1	.	.	12	.	2	10	.	.	9	1	56	101
Oschwend, Kr. Ostalb	492	4.5	1.2	16.6	1.	-4.6	30.	-6.2	30.	85	5.2	48	64	10	7	1	.	.	17	.	3	11	.	.	15	1		
Pforzheim	245	5.9	1.2	16.8	23.24.	-3.9	30.	-5.0	30.	84	4.1	29	47	10	8	.	.	.	13	.	5	6	.	.	6	.	91	

Table 4 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit um 7	Bewölkung (0–8) um 7	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee: fall ≥ 0,1 mm	decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Stuttgart (Schnarrenberg)	314	6.0	1.1	16.0	24.	-1.7	28.	-4.3	19.	82	5.0	26	55	11	6	.	.	.	5	.	3	8	.	.	7	.	105	
Bad Herrenalb	351	5.2	1.2	16.0	24.	-3.4	30.	-6.9	30.	86	5.3	79	76	11	8	3	.	.	14	.	.	11	.	.	11	.	44	
Dobel	717	7.4	3.9	18.4	10.	-1.0	27.	-2.5	27.	70	4.8	84	76	11	10	3	.	.	3	.	4	9	.	.	1	.	86	
Schömberg, Kr. Calw	633	6.0	2.5	16.5	1.10.	-2.0	28.	-4.5	28.	78	4.7	66	81	11	7	2	.	.	4	.	7	11	.	.	6	.	74	105
Schwäbisch Gmünd-Straßdorf	415	5.6	1.4	16.2	1.24.	-3.0	30.	-4.9	29.	86	4.5	37	52	9	7	1	.	.	3	.	5	8	.	.	9	.		
Wildbad (Stadt)	417	5.3	1.1	18.2	8.	-3.7	30.	-7.5	30.	84	4.3	84	78	12	9	3	.	.	3	.	7	8	.	.	9	.		
Stuttgart (WA)																												
Baden-Baden	218	6.3	1.0	17.4	24.	-2.2	30.	-5.0	30.	85	6.1	78	94	12	10	2	.	.	20	.	2	16	.	.	3	.		
Wildbad-Sommerberg	740	6.7	3.3	18.2	10.	-1.9	27.	-4.5	28.	67	4.9	91	81	12	8	4	.	.	5	.	6	10	.	.	2	.	103	
Buhlertal	190	6.2	0.4	17.6	24.	-3.3	30.	-4.5	30.	82	6.6	86	93	12	11	2	.	.	18	.	2	21	.	.	2	.		
Freistett (Maiwald)	131	6.0	1.2	17.1	24.	-2.2	29.	-3.0	30.	92	7.4	59		11	10	2	.	.	19	.	.	25	.	.	5	.	24	
Enzklösterle 1)	606	4.8		14.4	10.	-2.4	28.	-5.2	19.	82	4.3	96	91	13	8	2	.	.	4	.	7	8	.	.	7	.	82	
Stötten (Wst)	734	3.6	1.4	13.8	3.24.	-4.5	30.	-7.0	29.	88	6.0	43	61	12	7	1	1	.	20	.	1	16	.	.	12	.	80	157
Heidenheim/Brenz	500	3.4	0.7	15.4	24.	-6.5	29.	-8.0	29.30.	91	6.7	48	80	15	7	1	.	.	17	.	1	20	.	.	12	1	32	
Nürtingen-Oberensingen	280	4.6	0.2	16.5	24.	-5.0	30.	-6.2	19.	85	5.3	44		14	8	1	.	.	13	.	.	11	.	.	19	.		
Hornisgrinde	1122	5.8	4.2	16.4	2.	-3.0	27.	-5.5	27.	73	5.3	113	65	11	10	4	3	4	15	1	6	13	.	.	4	.	93	
Nagold	392	4.6	0.6	15.5	11.	-4.0	30.	-4.5	30.	91	4.1	85	160	12	7	2	.	.	11	.	10	11	.	.	12	.		
Lenningen-Schopfloch	758	6.0	3.2	18.2	10.	-3.0	28.	-4.0	28.	73	5.6	51	77	9	7	2	.	.	6	.	3	15	.	.	5	.		
Laichingen	747	3.5	1.4	13.8	24.	-4.8	30.	-6.2	30.	85	5.6	69	121	21	8	3	1	.	14	.	2	12	.	.	14	.	83	
Rottenburg	342	4.6		17.1	24.	-5.4	29.30.	-7.1	29.	86	6.2	38		10	6	.	.	.	14	.	.	14	.	.	21	.	79	
Offenburg	155	6.5	1.2	17.0	24.	-2.5	30.	-5.5	30.	89	7.1	45	63	22	9	1	.	.	18	.	1	25	.	.	2	.		
Freudenstadt (Wst)	797	5.7	2.9	16.8	10.	-1.8	28.	-4.7	28.	81	4.9	196	148	12	8	4	3	1	4	.	7	11	.	.	4	.	107	164
Gengenbach	185	6.2	0.8	17.6	24.	-1.6	30.	-4.1	30.	90	6.7	58	73	13	10	2	.	.	14	.	2	23	.	.	2	.		
Munsingen	721	4.0	1.8	16.2	10.	-5.4	29.	-7.1	29.	84	5.8	61	102	12	7	3	.	.	9	.	.	12	.	.	16	1		
Hechingen	520	5.2	1.4	15.4	24.	-4.0	28.	-6.5	30.	82	4.1	43	84	10	7	2	.	.	5	.	7	3	.	.	11	.		
Ulm (Wst)	522	3.8	1.2	15.7	24.	-3.6	29.	-6.5	29.	90	6.5	45	96	14	5	1	.	.	18	.	.	21	.	.	8	1	46	108
Lahr/Schw.	158	6.7	1.2	17.9	24.	-3.3	30.	-6.5	30.	88	6.9	33	49	17	10	.	.	.	17	.	3	23	.	.	2	.	36	
Wolfach	265	6.5	1.3	18.9	24.	-2.0	30.	-2.6	29.	87	5.9	65	62	11	9	2	.	.	10	.	3	16	.	.	3	.	74	
Albstadt-Ebingen	712	3.9		14.5	24.	-6.0	30.	-9.2	29.	81	4.6	60	107	10	6	3	.	.	12	.	4	8	.	.	13	.		
Ottoschwanden	442	5.7		15.9	24.	-0.1	14.	-1.5	28.	90	5.8	53	68	12	10	.	.	.	14	.	2	16	.	.	1	.	56	
Wellendingen																												
Emmendingen-Mundingen	201	6.2		18.3	24.	-3.2	30.	-5.1	30.	89	6.7	61	91	21	9	1	.	.	9	.	2	22	.	.	3	.		
Schonach	904	6.7		17.6	10.	-0.4	27.28.			71	4.3	143		12	10	6	3	2	2	.	9	10	.	.	2	.	104	
Triberg	683	5.3	2.2	16.6	11.	-2.1	30.	-7.1	30.	84	4.7	131	102	12	10	5	.	.	1	.	5	10	.	.	4	.		
Triberg (Kurpark)	700	5.4		16.6	10.	-2.2	28.			77	4.2	111		12	7	5	.	.	2	.	9	10	.	.	6	.	55	
Königsfeld/Schw.	767	4.4	2.1	19.0	10.	-4.9	30.			86	4.2	95	114	12	7	4	.	.	3	.	8	7	.	.	13	.	90	143
Biberach/Rib.	534	4.4	1.3	16.6	24.	-2.8	29.30.	-5.3	29.	88	6.7	42	98	10	6	2	.	.	16	.	1	21	.	.	7	1		
Schönwald/Schw.	1031	6.7		19.0	2.10.	-2.0	27.			67	4.2	134		13	10	4	4	2	4	.	8	11	.	.	3	.		
Klippeneck (Wst)	973	6.1	3.9	18.9	10.	-2.0	28.	-4.8	30.	75	5.2	53	102	10	8	2	3	.	9	.	3	12	.	.	5	.	127	155
Oberrotweil 1)	223	6.5	1.3	17.6	24.	-2.5	30.	-5.5	30.	88	6.4	34	71	11	10	.	.	.	16	.	3	21	.	.	3	.	40	
Sigmaringen	650	3.7	1.1	15.3	24.	-4.8	29.	-9.0	30.	89	6.5	52	113	17	6	2	.	.	14	.	.	19	.	.	13	1		
Lilienthal bei Ihringen	284	5.5	1.5	17.3	24.	-3.1	30.	-4.1	30.	90	6.2	42	74	19	10	.	.	.	16	.	3	18	.	.	4	.	31	
Villingen	698	3.8	1.4	19.2	10.	-4.6	30.	-11.2	30.	86	5.3	96	141	11	9	3	.	.	15	.	1	11	.	.	19	.		
Freiburg i. Br.-Herdern	255	6.8	1.4	19.0	24.	-2.1	30.	-5.7	30.	88	6.5	47	66	20	8	1	.	.	18	.	1	21	.	.	2	.		
Bad Dürrheim	718	4.5	2.4	19.2	10.	-5.0	30.			85	4.5	54	100	11	6	2	.	.	8	.	5	10	.	.	15	.	93	
Freiburg i. Br. (Wa)	269	7.0	1.7	19.0	24.	-2.1	30.	-3.5	30.	85	6.6	50	78	19	9	1	.	.	17	1	.	22	.	.	1	.	48	
Sankt Märgen	900	7.3	4.4	20.4	10.	-0.5	27.			69	4.5	70		12	9	3	3	1	8	.	6	8	.	.	1	.		
Mengen i. Br.	215	6.4	1.5	18.5	24.	-2.5	30.	-3.1	30.	89	6.7	31	57	11	10	.	.	.	18	.	.	20	.	.	3	.		
Aulendorf	571	4.3	1.7	16.8	24.	-4.0	29.	-6.0	30.	89	6.8	44	86	14	6	2	.	.	19	.	.	23	.	.	9	1	70	139
Donaueschingen 1)	677	4.1	1.8	19.0	10.	-6.4	30.	-8.8	30.	88	5.2	70	130	11	8	2	.	.	17	.	2	10	.	.	17	.	93	
Neustadt/Schw. 1)	835	3.2	1.4	18.6	10.	-7.1	30.	-9.7	29.	85	4.9	92	94	12	9	3	3	.	8	.	5	9	.	.	21	.	90	

Table 4 ctd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Friedenweiler	924	4.8		20.8	10.	-4.0	28.			77	4.2	83		12	8	3	2	.	2	.	6	6	.	.	9	.	97	
Pfullendorf	638	3.7	1.4	16.4	24.	-5.1	30.	-7.6	30.	90	6.9	50	98	13	6	2	.	.	20	.	.	20	.	.	12	1		
Bremgarten (BW)	212	6.4		19.4	24.	-4.7	30.	-6.5	30.	84	6.6	31	63	15	9	1	.	.	18	.	.	20	.	.	3	.	43	
Hinterzarten	883	4.0	2.1	19.7	10.	-7.2	30.			83	5.0	114	108	12	9	4	1	1	2	.	6	13	.	.	18	.	75	
Titisee	860	3.6		20.0	10.	-6.6	30.			82	4.9	117	117	12	9	3	2	.	5	.	9	12	.	.	18	.	73	
Obermaustertal	545	6.3		16.6	24.	-2.1	28.			79	4.8	57	63	12	10	2	.	.	2	.	7	10	.	.	4	.	73	
Feldberg Schw (WSt)	1486	4.9	4.6	15.3	2.	-4.5	27.	-9.0	5.	65	5.7	141	93	13	11	4	10	12	15	.	3	17	.	.	10	2	102	109
Feldberg Schw (WSt)	818	4.1	2.3	19.9	10.	-6.5	30.			82	4.4	124	136	11	8	3	2	.	7	.	7	9	.	.	18	.	93	133
Lenzkirch	478	4.2	1.0	17.4	24.	-5.0	30.	-7.2	30.	89	6.1	33	72	11	6	2	.	.	14	.	.	16	.	.	13	1		
Aach Kr Konstanz	475	4.8		17.7	24.	-4.1	29.	-5.2	29.	89	6.0	38	78	7	6	2	.	.	21	.	1	15	.	.	8	1		
Stockach	885	4.2	2.4	20.6	10.	-7.7	30.			79	4.7	162	105	14	11	5	3	1	.	.	6	10	.	.	20	.		
Menzenschwand	963	4.5	2.8	20.4	10.	-4.5	30.			82	5.0	127	112	12	9	4	3	2	.	.	7	15	.	.	10	.	113	
Schluchsee	412	6.4	1.5	18.0	24.	0.0	28.	-1.5	28.	84	5.9	50	68	12	12	1	.	.	14	.	.	14	.	.	.	.	36	
Radenweiler	852	6.9	3.6	22.2	10.	-1.0	28.	-3.0	28.	75	4.2	85	63	12	10	2	1	.	5	.	9	9	.	.	2	.		
Friedrichshein	435	5.2	1.6	17.2	24.	-2.8	29.	-4.8	29.	88	6.4	60	97	11	8	2	.	.	16	.	.	18	.	.	7	1	69	128
Ravensburg (WSt)	785	4.1	2.4	15.5	10.	-5.6	30.	-7.2	29.	88	5.7	151	118	12	12	3	4	2	.	.	.	8	.	.	12	.	82	122
Sankt Blasien (WSt)	1008	6.1	4.1	18.5	10.	-2.2	28.	-5.6	28.	70	4.9	154	143	11	11	4	5	3	4	.	5	10	.	.	5	.	91	
Hochenschwand	400	5.6	1.1	16.6	24.	-1.0	30.			87	6.5	48	94	10	9	2	.	.	24	.	.	16	.	.	4	.		
Radolfzell	443	5.7	1.5	16.6	23.	-0.5	30.	-2.8	19.	89	6.8	57	119	16	8	2	.	.	14	.	.	23	.	.	2	.	43	92
Konstanz (Wewa)	691	4.2	1.9	18.1	10.	-5.7	28.30.	-7.0	30.	83	5.1	79	67	10	8	2	1	1	7	.	3	12	.	.	16	.	104	
Isny (WSt)	383	5.3	1.5	18.5	24.	-3.5	29.	-4.0	29.	89	6.4	100	135	11	9	3	.	.	10	.	1	16	.	.	3	1		
Wurtschingen	400	5.2	1.1	18.4	24.	-2.4	30.	-3.0	30.	89	4.3	71	73	12	11	3	.	.	18	.	10	12	.	.	3	.		
Schopfheim	408	5.0		16.5	24.	-2.6	29.	-5.5	29.	88	6.7	61	103	13	11	1	.	.	13	.	.	21	.	.	5	.	47	
Erzkirch-Wolfzennen	264	6.8		20.3	24.	-0.6	29.	-3.6	29.	86	5.3	42	75	11	9	1	.	.	17	.	4	15	.	.	3	.		
Emmendingen	330	5.7	1.1	19.6	24.	-2.5	30.	-3.5	28.	89	6.5	115	137	9	9	3	.	.	4	.	.	18	.	.	4	.		
Waldshut	728	5.0		18.5	10.	-4.0	29.			82	5.3	80	71	11	9	3	.	.	8	.	5	13	.	.	14	.		
Jungholz (Kuhmoos)	287	7.2	2.2	20.3	24.	0.1	30.	-0.7	30.	82	4.8	61	92	11	10	2	.	.	10	.	7	13	.	.	.	.	94	
Rheinfelden	355	6.1		19.8	24.	-1.8	30.			89	6.1	64	88	11	10	2	.	.	6	.	1	16	.	.	2	.	57	
Bad Sackingen																												
Bayern																												
Osthem/Rhon	315	3.7		14.0	23.	-4.6	14.	-6.1	14.	88	7.0	65	148	11	7	2	2	.	7	.	.	22	.	.	10	1		
Wickendorf	560	2.6	0.6	13.2	8.	-4.6	30.	-8.2	14.	89	6.6	68	89	11	7	2	2	.	14	.	1	20	.	.	16	1		
Langenleiten	520	3.6	0.9	12.1	24.	-3.0	30.	-3.0	15.	88	6.6	91	111	14	7	3	2	1	15	.	1	21	.	.	10	.		
Hof-Hohensaas (WSt)	567	2.8	0.9	13.4	1.	-3.5	14.	-5.5	14.	88	6.2	41	89	9	5	1	1	.	10	1	1	18	.	.	13	1	48	103
Coburg (WSt)	337	4.1	0.7	14.9	24.	-2.9	14.	-6.0	14.	87	6.1	53	104	9	6	2	2	.	9	.	1	15	.	.	7	.	39	81
Kronach	305	4.1	0.9	14.5	24.	-4.9	14.	-6.4	14.	84	6.8	56	93	11	6	1	.	.	9	1	.	21	.	.	9	.		
Bad Kissingen (WSt)	262	4.6	0.6	15.3	24.	-2.7	30.	-5.6	30.	86	6.4	59	109	8	7	2	2	1	4	1	.	18	.	.	6	.	32	79
Selb/Ofr. (WSt)	583	2.4	0.6	12.5	24.	-4.7	14.	-6.5	29.	88	6.2	49	98	4	4	2	1	1	8	1	2	20	.	.	13	1	27	77
Oelschnitz	553	2.5	0.6	16.1	1.	-3.9	30.	-6.2	30.	88	5.7	71	97	11	6	3	2	.	10	1	1	12	.	.	17	1		
Kahl/Main	110	5.6	0.5	16.2	24.	-3.0	30.	-7.3	30.	86	5.2	60	109	8	7	2	.	.	5	.	2	11	.	.	6	.		
Schweinfurt	240	4.8	0.5	15.7	24.	-3.2	30.	-4.3	30.	85	5.6	54	138	8	8	1	.	.	1	1	3	15	.	.	8			
Stembach b. Lohr/Main	161	5.1	0.9	16.6	24.	-3.1	14.	-4.7	14.	86	6.8	70	106	9	7	2	.	.	6	.	.	23	.	.	6	.		
Fichtelberg/Ofr	705	2.0	0.5	13.8	1.	-5.2	14.30.	-6.3	30.	89	6.3	79	103	11	6	3	2	.	22	1	1	18	.	.	17	2		
Bayreuth	330	3.7	0.5	14.4	24.	-6.2	14.	-8.0	14.	88	6.1	52	106	7	6	2	1	.	11	1	.	16	.	.	10	.	42	95
Bamberg (WSt)	239	4.0	0.2	15.1	24.	-6.0	14.	-7.4	14.	86	6.0	43	96	10	7	1	.	.	8	.	.	15	.	.	14	.	39	86
Forchheim	515	2.9	0.6	12.8	24.	-5.0	29.	-5.4	29.	85	6.4	44	96	14	6	2	2	1	17	1	.	19	.	.	13	1		
Forchheim	268	4.9	0.6	15.4	23.24.	-3.5	29.	-4.4	28.29.	86	6.3	30	64	10	7	1	.	.	7	.	1	18	.	.	6	.	50	104
Wurzburg (Wewa)	450	3.7	1.0	14.0	24.	-3.0	29.	-4.5	14.29.	85	6.0	52	78	9	8	1	1	.	16	.	3	18	.	.	9	.		
Gobwenstein	750	1.9	0.9	12.1	1.	-5.4	14.	-7.2	14.	89	5.8	46	61	8	6	2	1	.	19	.	4	16	.	.	15	4		
Altglashutte	127	5.7		16.4	24.	-2.2	16.	-4.4	16.	84	6.7	33	63	8	5	1	.	.	7	.	1	19	.	.	6	.		
Muhlenberg	438	3.2	0.2	14.0	24.	-5.6	29.	-7.9	14.29.	86	6.1	33	70	10	3	1	1	.	10	.	1	15	.	.	13	1	46	93
Weiden/Opf (WSt)	270	4.5	0.7	16.5	24.	-4.9	14.	-8.5	14.	83	5.9	37	80	9	7	1	.	.	11	.	1	16	.	.	10	.	50	132
Erlangen	333	4.3	0.5	14.9	24.	-4.1	29.	-4.6	14.	86	6.1	32	68	8	7	1	.	.	8	1	1	17	.	.	9	1		
Neustadt/Aisch																												

Table 4 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0–8	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee fällt °0,1 mm	Schnee deckt ≥0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Offenheim	340	4.4	0.6	14.4	24.	-3.0	30.	-3.7	29.	85	6.0	26	62	8	7	1	.	.	7	1	3	17	.	.	7	.		
Nürnberg Kraftshof (Flugh.)	310	4.7	1.0	16.0	24.	-3.8	29.	-4.6	29.	84	6.0	32	78	8	6	1	.	.	7	1	.	13	.	.	10	.	62	114
Pommelsbrunn	368	3.9	0.6	14.5	24.	-4.7	29.	-4.8	29.	85	6.3	37	56	10	6	2	1	.	6	1	.	18	.	.	11	1		
Oberviechtach	498	2.8	0.5	14.0	24.	-5.1	29.	-6.3	29.	88	5.8	36	64	8	5	2	1	.	7	1	.	12	.	.	18	1		
Amberg	386	3.4	0.4	14.6	24.	-6.1	14.	-7.4	14.	86	6.6	31	72	6	5	2	1	.	7	1	.	19	.	.	12	1		
Rothenburg o. d. Tauber	406	4.4	1.1	14.7	24.	-2.5	30.	-4.5	15.	85	6.3	33	66	9	6	1	.	.	7	.	.	15	.	.	12	.		
Schwandorf	372	3.1	0.2	15.5	24.	-5.9	14.	-9.1	14.	89	5.7	33	79	10	4	1	2	1	12	1	1	12	.	.	14	1		
Ansbach/Claffheim	481	3.5		14.9	24.	-3.6	14.	-6.8	14.	90	6.5	38		8	6	1	.	.	11	1	.	20	.	.	15	1	52	
Roth b. Nürnberg	340	4.1	0.7	15.5	24.	-7.2	14.	-8.3	14.	85	6.0	38	90	7	6	1	.	.	14	.	1	19	.	.	11	1		
Cham	420	3.8	0.7	15.9	24.	-3.1	28.29.	-4.7	29.	84	5.7	29	69	7	4	1	.	.	8	.	2	12	.	.	8	1	63	134
Parsberg/Opf.	542	3.2	0.9	12.3	23.	-4.0	29.	-4.7	29.	90	6.7	34	62	9	8	1	1	1	14	.	1	18	.	.	12	1		
Hohenstein-Kraftwerk																												
Großer Arber (Wst.)	1437	4.1		15.1	1.	-5.0	27.			54	4.3	115		6	6	3	5	4	12	1	4	8	.	.	13	3	150	
Regensburg (Wst.)	366	3.6	0.6	15.8	24.	-4.0	29.	-5.0	30.	89	6.4	30	77	11	4	1	1	.	10	1	.	16	.	.	10	.	44	107
Weidenburg Bay (Wst.)	422	4.5	1.0	15.7	24.	-3.5	29.30.	-6.1	29.	85	6.1	25	58	8	6	1	.	.	3	.	2	18	.	.	10	1	65	114
Fichstatt	397	4.0		17.0	24.	-4.8	14.	-6.5	14.	88	6.5	33	75	10	6	1	.	.	21	.	.	18	.	.	10	1		
Nordlingen	425	4.1	0.6	16.1	24.	-4.9	30.	-5.9	30.	90	6.3	30	73	8	6	1	.	.	14	.	1	16	.	.	8	1	33	
Metten	313	3.7	0.8	16.6	24.	-5.3	14.	-7.7	14.	87	6.5	51	86	6	4	1	.	.	7	.	.	19	.	.	13	.	59	
Kosching	417	4.1	1.0	16.4	24.	-3.4	29.30.	-4.0	29.	92	7.2	35		7	5	1	.	.	12	1	.	23	.	.	6	1	35	
Freyung v. Wald	645	3.5	1.3	17.2	7.	-5.5	30.	-5.5	30.	80	4.6	53	76	6	4	2	.	.	11	.	9	11	.	.	16	.		
Mallersdorf Ndb.	410	4.2	1.2	16.7	24.	-3.3	29.	-4.0	29.	87	6.5	25	57	8	4	1	1	.	12	.	.	17	.	.	7	1		
Karlsheim-Neuhof	516	3.6	0.8	15.7	24.	-4.5	30.	-8.0	30.	84	6.7	32	65	14	6	1	.	.	17	.	.	22	.	.	10	1		
Karlshuld	374	3.9	0.9	16.6	24.	-5.6	14.	-11.8	14.	89	6.8	40	95	14	6	1	.	.	11	.	.	19	.	.	13	2	35	
Mamburg	450	3.9		17.3	24.	-5.1	14.	-7.1	14.	87	6.7	39	85	10	5	1	.	.	19	1	.	18	.	.	8	1	38	
Dillingen/Donau	435	4.2	0.9	14.2	23.	-4.0	14.	-5.3	14.	83	6.5	40	85	7	6	1	.	.	13	.	.	17	.	.	8	2		
Passau-Oberhaus (Wst.)	409	4.3	1.3	16.4	24.	-4.5	14.	-7.2	14.	84	6.2	38	63	8	4	1	1	.	12	1	1	16	.	.	9	.	75	153
Kumhausen	436	3.9	0.7	17.1	24.	-5.3	14.	-6.4	14.	86	6.1	42	95	12	6	1	.	.	9	1	1	17	.	.	9	1	49	
Falkenberg, Kr. Rottal/Inn	490	4.1	0.9	16.6	24.	-2.0	16.	-2.8	29.	82	5.7	65	130	13	6	2	.	.	13	1	1	15	.	.	7	1		
Augsburg-Mühlhausen (Wst.)	461	4.0	0.7	16.5	24.	-4.8	14.	-6.7	14.	88	6.2	44	92	8	7	.	.	.	15	.	.	17	.	.	10	1	53	96
Weihenstephan (AMBF)	467	3.7	0.9	17.0	24.	-3.7	29.	-6.3	14.	89	6.5	44	94	12	6	2	.	.	13	1	.	18	.	.	11	.	50	91
Simbach/Inn	360	4.5		18.0	24.	-4.5	29.	-6.5	29.	84	6.3	29	51	6	5	2	.	.	5	.	1	17	.	.	10	.	53	
Krumbach-Edenhausen	520	3.7	0.9	13.7	23.	-5.0	14.	-7.8	14.	85	5.8	40	73	14	7	2	.	.	13	.	3	14	.	.	15	1	56	
Mühldorf/Inn (Wst.)	401	4.0	0.8	18.0	24.	-4.4	14.	-7.8	14.	88	6.6	38	75	10	5	2	.	.	13	1	.	18	.	.	10	.	47	91
München-Nymphenburg	515	3.9	0.9	17.2	24.	-5.6	14.	-6.7	14.	88	6.2	51	96	8	6	3	.	.	13	.	.	17	.	.	12	1	59	109
München-Riem (Flugh.)	527	3.4	0.5	17.4	24.	-6.1	14.	-10.5	14.	89	5.9	41	72	10	6	1	.	.	22	1	.	13	.	.	16	1	61	101
Kaufering	585	3.8		15.6	24.	-3.0	14.	-4.6	14.	89	6.1	37		9	6	1	.	.	18	1	.	14	.	.	16	1		
Ebersberg	573	3.4		17.2	24.	-4.0	14.	-6.8	14.	89	5.7	42	67	14	6	2	.	.	20	.	1	14	.	.	11	.		
Trostberg	487	3.9	0.5	17.4	23.	-5.4	14.	-9.6	14.	87	6.2	34	58	7	6	2	.	.	17	.	2	18	.	.	12	1		
Memmingen	595	4.0	1.3	15.5	24.	-5.0	30.	-5.8	30.	88	6.3	45	82	12	6	2	.	.	15	.	2	20	.	.	13	1		
Kaufbeuren	720	3.9	1.0	15.0	10.	-6.5	19.	-8.4	30.	84	5.6	47	75	8	5	1	.	.	13	.	2	12	.	.	17	2		
Attenkam	665	4.3	1.3	17.8	7.	-4.4	30.	-9.5	30.	83	5.2	43	67	6	5	2	.	.	16	.	1	10	.	.	15	1		
Kötzing i. D.	611	4.1	1.1	16.6	23.	-3.4	14.	-5.1	14.	83	5.7	35	57	7	5	1	.	.	16	.	1	11	.	.	9	1		
Rosenheim	446	4.4	1.0	18.7	23.	-6.1	14.	-6.9	14.	87	6.1	34	54	6	5	1	.	.	8	.	1	14	.	.	11	1	70	
Hohenpeißenberg (Observatorium)	977	6.7	4.2	17.3	10.	-2.5	28.	-6.3	28.	64	4.8	38	63	8	5	1	5	2	9	.	4	8	.	.	3	.	124	135
Kempten (Wst.)	705	4.1	1.8	17.4	10.	-5.8	30.	-8.2	30.	84	4.9	54	64	9	8	2	1	.	8	.	5	10	.	.	20	.	112	134
Wendelstein (Wst.)	1832	4.6	5.2	14.8	1.	-6.3	27.	-8.2	28.	53	4.2	30		7	5	1	6	10	9	.	4	4	.	.	14	4	146	130
Reit im Winkl	595	3.3	1.2	18.3	7.	-6.2	30.	-8.6	30.	83	5.8	52	48	7	6	2	2	.	.	1	12	4	.	.	22	.	150	
Schwangau-Horn (I)	796	5.3	3.1	18.0	7.	-5.3	28.	-6.0	30.	74	4.0	52	81	9	5	2	1	1	4	.	6	4	.	.	13	.		
Garmisch-Partenkirchen (Wst.)	719	3.7	2.0	19.2	12.	-6.2	30.	-10.2	30.	83	4.7	48	62	7	5	2	3	3	2	.	4	7	.	.	21	.	111	122
Zugspitze (Wst.)	2960	-3.2	3.8	6.6	1.	-14.3	27.			62	4.4	92	69	9	7	4	9	30	14	.	6	7	.	.	26	16	151	111
Oberstdorf (Wst.)	810	4.2	2.4	20.1	6.	-5.9	28.	-9.1	30.	78	4.3	89	77	9	8	4	1	4	2	.	5	3	.	.	12	.	94	113

Table 4 ctd. (air temperature in °C)

November 1984

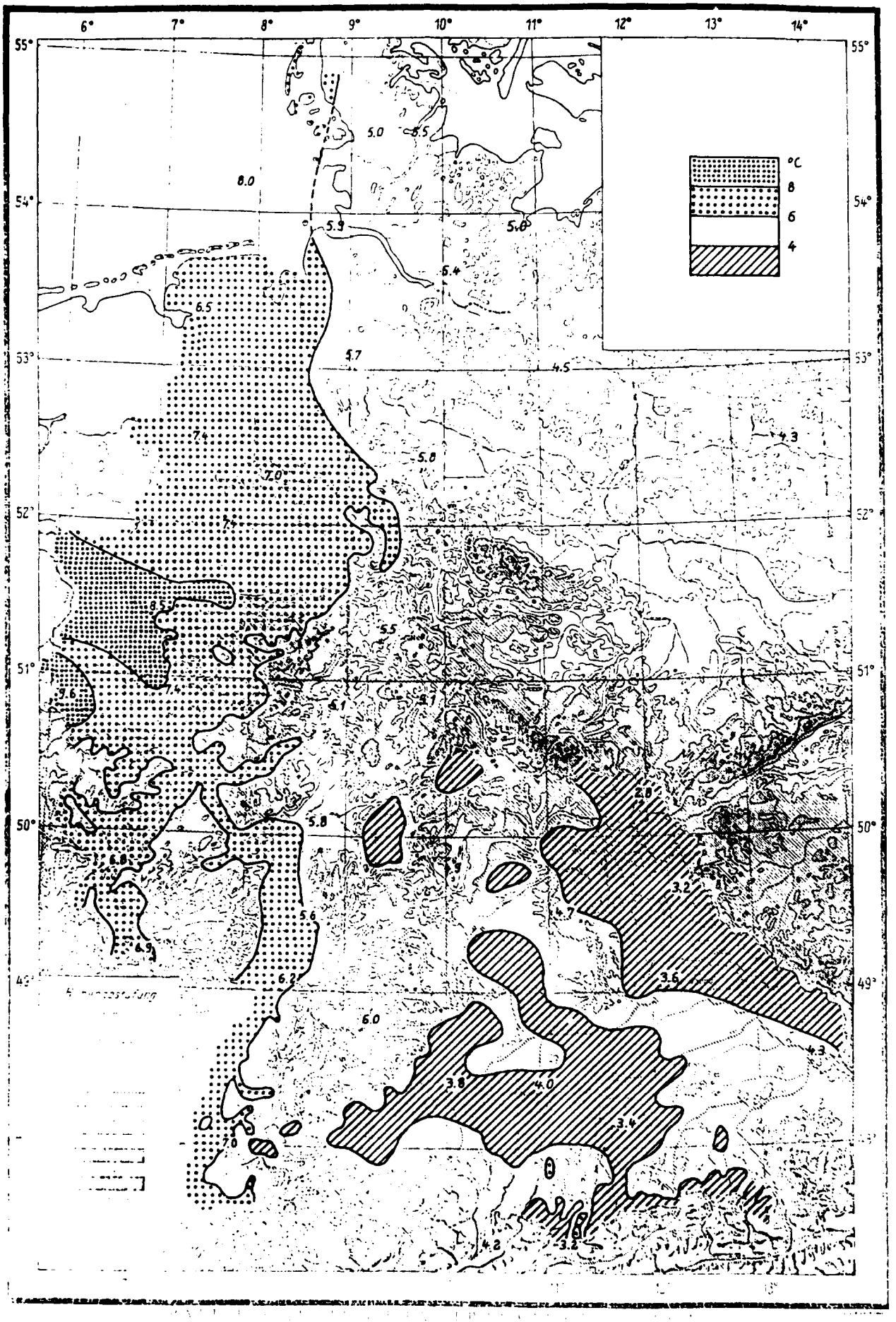


Table 4 ctd. (precipitation in % of 1931 – 1960 mean values)

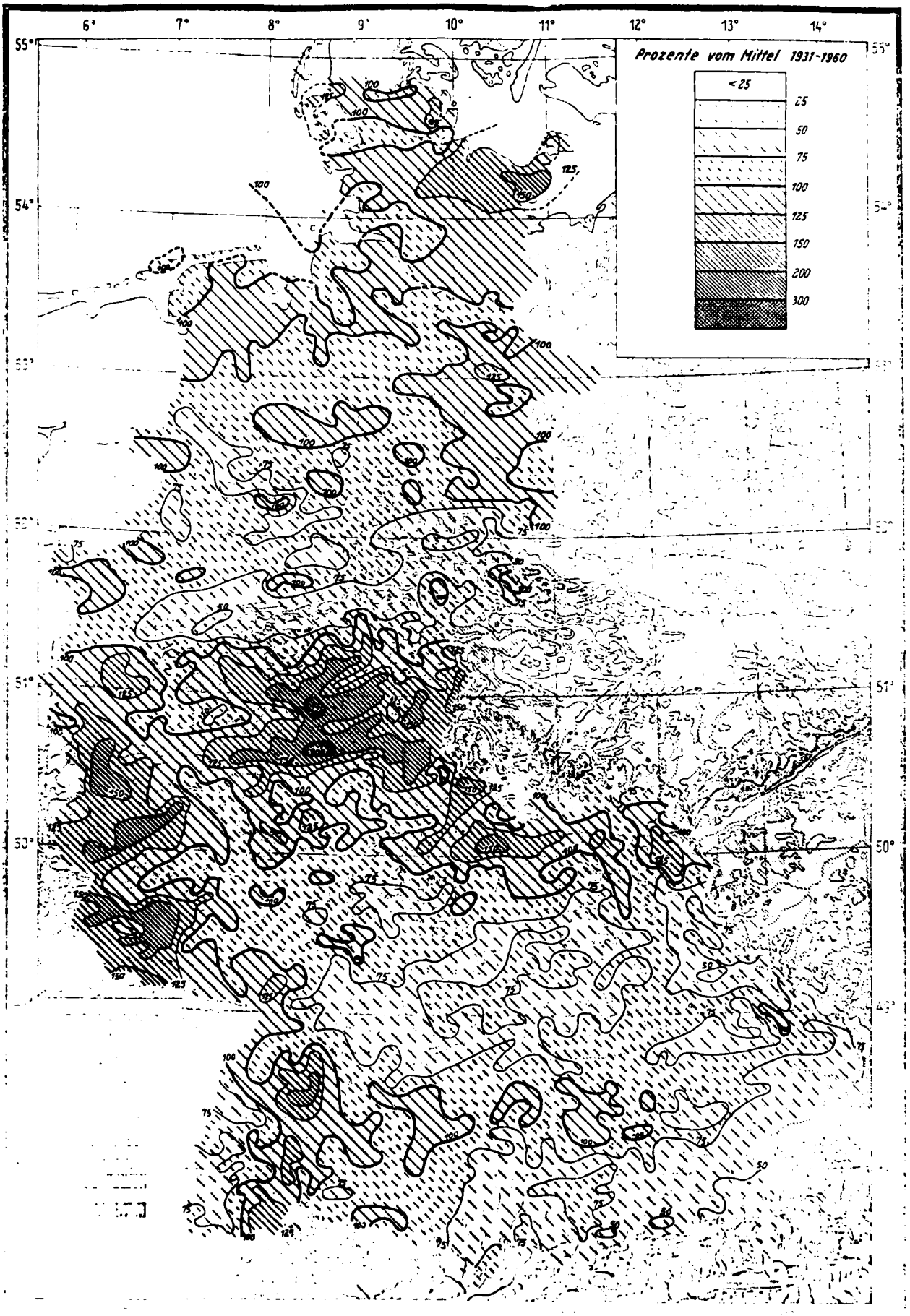


Table 4 ctd. (precipitation in mm) November 1984

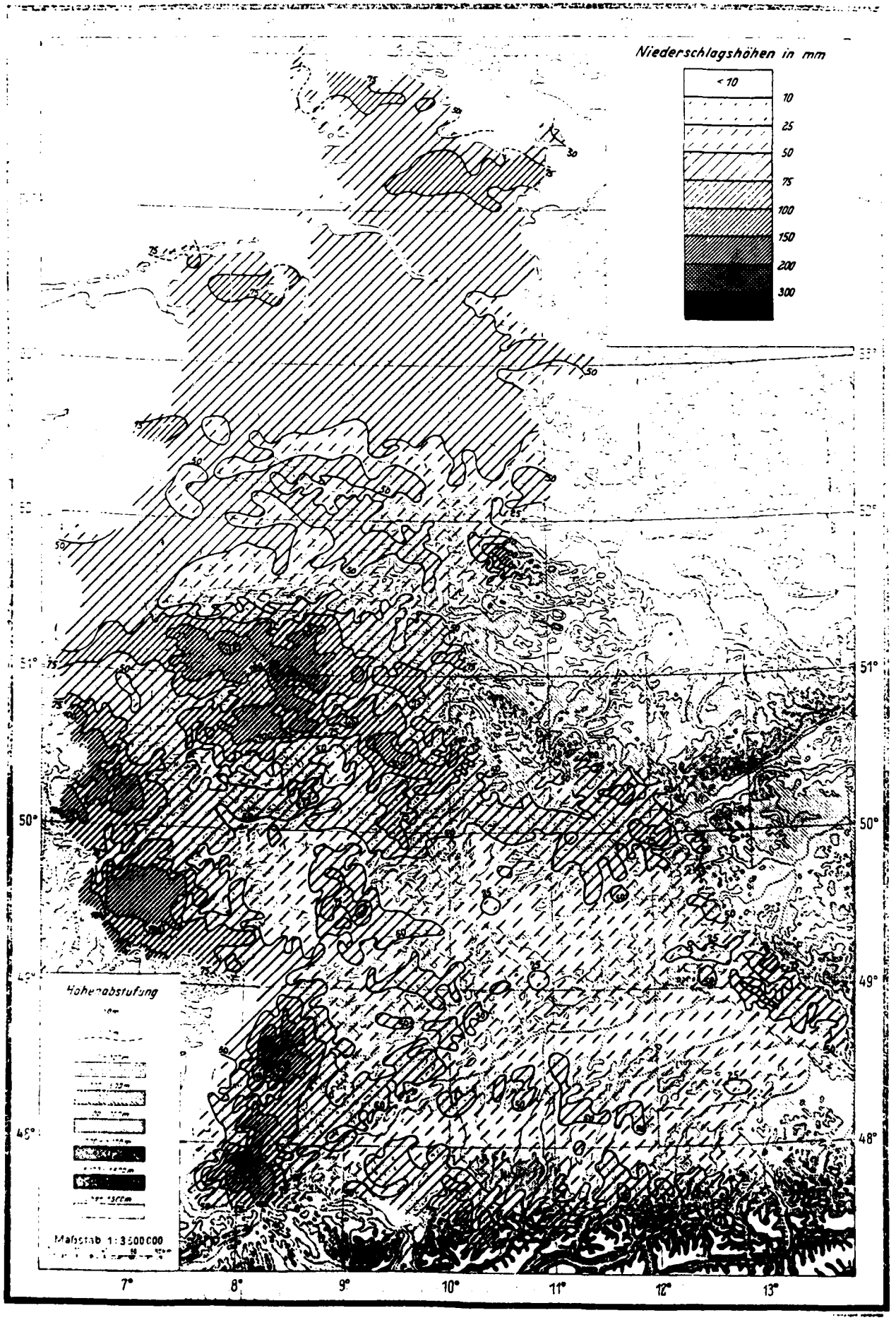


Table 4 ctd.(air temperature in % of 1931 – 1960 mean values)

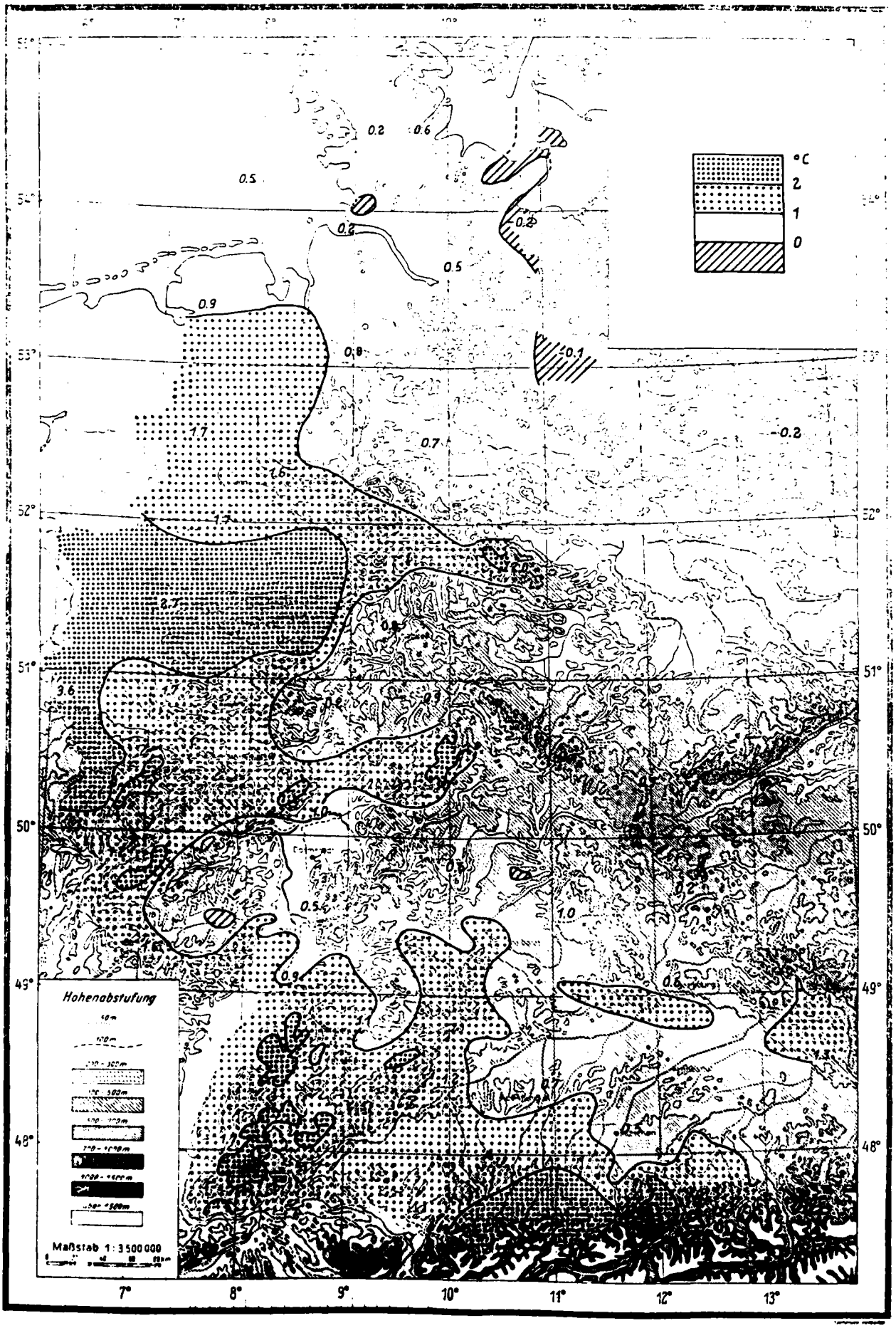


Table 5 Meteorological/Climatological Data for the Areas of Investigation (April 1985)

Monatswerte — April 1985

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0-8	Niederschlag: Höhe in mm	in %)	Zahl der Tage: Niederschlag 0,1 mm	1,0 mm	≥ 10,0 mm	Schnee fall ≥ 0,1 mm	Schneedecke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Schleswig-Holstein																												
List auf Sylt (Wst)	26	5.4	-1.0	12.1	19.	-0.9	25.	-1.1	19.	86	5.8	46	135	20	12	.	6	.	11	.	1	12	.	.	1	.	119	58
Leck (BW)	7	6.0	-0.2	14.5	5.18.	-2.8	24.	-6.8	24.	86	5.8	47		23	11	.	4	.	8	.	1	14	.	.	3	.	106	
Flensburg (Schaferhaus)	41	5.8	-0.5	15.6	19.	-2.6	24.	-5.5	24.	85	6.1	65	123	20	13	1	4	.	6	1	1	15	.	.	3	.	106	56
Wyk/Föhr	1	6.0		15.0	5.	-1.8	24.	-5.8	24.	87	6.3	54	138	19	13	1	4	.	7	.	1	18	.	.	1	.	114	
Stoltebüll 1)	28	5.9	-0.1	16.0	19.	-2.0	24.	-3.7	24.	85	5.7	56	124	19	16	.	2	.	3	.	1	14	.	.	2	.	118	
Schleswig (WA)	43	6.3	-0.2	16.5	19.	-1.9	24.	-3.6	24.	83	6.1	60	111	21	15	.	6	.	7	.	1	16	.	.	2	.	116	61
Westermarkelsdorf/Fehmarn 1)	1	5.8	-0.5	14.5	19.	1.0	11.	0.3	14.	78	5.4	51	150	20	12	1	5	.	2	.	1	9	.	.	.	.	136	
Schwesing (BW)	28	6.1	-0.1	15.5	19.	-3.7	24.	-6.6	24.	85	5.9	44	94	18	13	.	5	.	9	.	1	15	.	.	2	.	103	
Kiel-Kronshagen (Wst)	17	6.9	0.0	18.2	4.	-1.4	24.			79	6.0	51	116	21	13	.	6	.	3	.	1	15	.	.	1	.	122	64
Hohwacht	10	6.4	-0.2	18.1	4.	0.2	7.	-1.1	22.	81	5.1	52	113	21	13	1	2	.	2	.	2	11	.	.	.	.		
Erfde 1)	18	6.9	0.2	16.7	19.	-3.4	24.	-4.6	24.	82	5.5	44	76	17	11	.	5	.	4	.	1	8	.	.	5	.	123	
Hohn (BW)	10	6.5		17.2	19.	-3.2	24.	-6.4	24.	79	5.8	55		20	14	.	6	.	4	.	1	12	.	.	3	.	108	
Sankt Peter-Ording	4	6.6	-0.1	15.3	5.	0.2	24.	-5.1	24.	84	6.3	39	100	15	10	.	3	.	2	.	1	19	.	.	.	.	117	
Rendsburg	8	6.9	0.1	17.5	19.	-1.8	24.	-6.1	24.	80	6.3	48	89	20	13	.	4	.	2	.	1	16	.	.	2	.		
Lensahn	14	6.7	-0.3	18.5	4.	-0.9	24.	-4.0	24.	79	5.9	49	109	21	15	1	5	.	.	.	1	15	.	.	1	.		
Heide/Holstein	12	7.0	0.0	17.1	5.	-2.4	24.	-3.0	24.	80	5.9	43	81	18	10	.	5	.	5	.	.	11	.	.	3	.		
Helgoland (Wst)	4	5.3	-0.9	10.3	19.	0.9	26.	-0.8	17.	88	5.9	34	87	21	10	.	4	.	11	.	1	13	.	.	.	.	109	55
Plon (See) 1)	24	6.6	-0.3	16.6	5.	0.7	29.	-1.0	24.26.	82	5.5	66	135	23	15	1	4	.	2	1	1	8	.	.	.	.	117	
Eutin	50	6.7	-0.4	17.8	4.	-0.7	24.	-2.2	24.	83	5.4	65	125	22	18	2	4	.	2	.	.	10	.	.	2	.		
Hohenwestedt	80	6.6	-0.3	16.5	5.	-2.0	24.	-4.0	24.	84	6.1	62	115	20	12	1	5	.	2	.	1	16	.	.	1	.		
Neumünster	21	7.3	-0.1	18.7	5.	-2.0	24.	-3.9	24.	79	5.1	68	128	21	16	.	5	.	1	.	2	9	.	.	5	.		
Helse, Kr. Dithmarschen 1)	2	7.1	0.0	17.6	19.	-0.5	24.	-2.6	24.	82	5.3	51	111	19	10	.	4	.	5	.	2	11	.	.	1	.	132	
Travemünde 1)	9	7.1	0.0	19.2	4.	0.0	26.	-0.1	26.	77	4.9	61	142	19	15	1	4	.	2	.	3	8	.	.	.	.	135	
Wahlstedt	45	7.2	0.3	17.5	5.	-2.0	24.	-4.5	24.	79	6.3	90		22	19	2	6	.	.	.	.	16	.	.	2	.		
Lübeck (Wst)	14	6.9	-0.8	19.3	4.	-2.2	24.	-7.0	24.	81	5.5	70	146	21	19	1	6	1	3	.	1	12	.	.	7	.	128	66
Brande-Hörnerkirchen 1)	9	7.2	0.3	18.0	5.	-2.1	24.	-4.6	24.	85	6.0	62		19	13	1	3	.	5	.	.	13	.	.	3	.	117	
Glückstadt 1)	2	7.5	-0.1	18.0	19.	-1.0	24.	-2.9	24.	82	5.4	65	133	21	15	1	6	.	5	.	3	12	.	.	1	.	110	
Quickborn (Fernmeldebetriebsgruppe)	13	7.5	0.3	18.3	19.	-3.2	24.	-6.3	24.	80	5.5	65		20	14	1	6	.	3	1	3	13	.	.	3	.	107	
Ahrensburg-Wulfsdorf (AMBF)	46	7.2	0.1	19.4	4.	-1.3	24.	-4.5	24.	79	5.9	72	126	21	18	1	6	.	1	2	1	16	.	.	2	.	100	
Grambek	27	7.0	-0.3	21.0	4.	-2.4	24.	-3.7	24.	82	5.4	82	171	20	19	2	2	1	2	1	1	13	.	.	4	.		
Hamburg-Fuhlsbüttel (Flugh.)	13	7.8	0.3	19.0	4.	-1.8	24.	-3.6	24.	79	5.6	60	115	21	15	1	5	.	2	1	2	11	.	.	3	.	121	65
Bremerhaven (Wewa)	7	7.8	0.1	18.0	19.	0.4	17.	-0.9	17.	81	5.7	52	106	17	11	1	4	.	4	.	3	15	.	.	.	.	139	74
Bremen (Flugh.)	4	8.0	0.2	19.8	4.	-2.0	24.	-5.2	24.	78	5.6	40	80	18	11	.	5	.	2	1	2	12	.	.	4	.	129	70
Niedersachsen																												
Cuxhaven (Wst)	5	7.3	-0.1	19.0	19.	0.9	28.	-2.0	17.	83	6.0	43	91	17	9	.	3	.	5	.	1	15	.	.	.	.	135	70
Wangerooge	3	6.9	-0.2	18.0	19.	0.6	27.	0.2	27.	85	7.4	38	93	19	8	.	2	.	7	.	.	24	.	.	.	.		
Langeoog	5	7.0	-0.1	18.0	19.	0.5	26.	-0.2	26.	85	5.9	30	71	20	8	.	2	.	4	.	2	15	.	.	.	.		
Norderney (Wst)	11	7.1	-0.1	17.0	19.	1.6	26.	1.0	26.	83	5.7	29	71	21	9	.	1	.	5	.	1	12	.	.	.	.	118	61
Bederkesa	27	7.4	0.0	18.7	19.	-0.5	24.	-0.7	24.	81	6.0	66	129	19	13	1	6	.	2	.	1	17	.	.	1	.		
Wilhelmshaven	1	7.5	-0.1	18.6	19.	0.4	24.	-2.8	24.	79	5.3	69	138	18	14	1	4	.	3	1	2	10	.	.	.	.		
Jever (BW)	7	7.5	0.1	18.8	19.	-1.4	24.	-5.3	24.	75	5.8	43	84	19	10	1	3	.	2	1	1	10	.	.	1	.	124	
Jork																												
Bremervörde	5	7.7	0.2	20.1	4.	-3.1	24.	-5.9	24.	79	5.5	63	117	18	13	1	2	.	2	1	2	12	.	.	3	.		
Aurich	4	7.3	0.1	18.6	19.	-1.5	24.	-4.5	24.	83	6.7	49	98	22	11	.	3	.	2	.	.	20	.	.	2	.	117	
Emden-Nesserland (Wst)	5	7.7	-0.1	17.7	4.19.	0.0	24.	-3.0	24.	78	6.2	39	85	18	10	.	3	.	4	.	1	18	.	.	.	.	125	65

1) Sonnenscheindauer nicht direkt am Standort der Station registriert *) vom Mittel 1931-1960 **) vom Mittel 1951-1960
Abkürzungen: WA = Wetteramt, Wewa = Wetterwarte, Wst = Wetterstation, AMBF = Agrarmeteorologische Beratungs- und Forschungsstelle, BW = Bundeswehr, Khst = Klimahauptstation, Nst = Niederschlagsstation

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Brake (Unterweser)	5	7.8	0.2	18.5	19.	-1.5	24.	-2.4	17.	81	5.9	53	106	18	13	1	3	.	4	.	2	15	.	.	4	.	134	
Buchholz i.d. Nordheide	77	7.1		19.8	5.	-2.2	17.	-5.0	24.	80	6.1	89		21	15	1	6	2	2	.	1	15	.	.	5	.	125	
Teufelsmoor	6	7.7	0.2	19.8	4.	-2.6	24.	-3.8	24.	81	5.6	58	112	18	13	.	4	.	4	.	.	13	.	.	5	.		
Lueneburg	11	8.2	0.2	21.2	5.	-1.2	24.	-3.6	24.	79	5.6	61	124	21	14	1	4	.	.	.	3	13	.	.	2	.	125	
Oldenburg (I)	5	7.8	-0.2	19.8	4.	-3.4	24.	-5.4	24.	78	6.0	56	110	18	14	.	4	.	2	.	1	17	.	.	4	.		
Rotenburg (Wuemme)	24	8.0	0.1	20.5	5.	-1.4	24.	-4.0	24.	79	5.5	56	108	18	12	.	3	.	2	.	2	12	.	.	2	.		
Friesoythe-Edewechterdamm	8	8.3	0.7	20.3	4.	-2.0	24.	-5.6	24.	76	5.9	50	102	18	14	.	2	.	3	.	.	15	.	.	1	.	119	
Soltau (Wst)	77	7.7	0.0	21.4	5.	-2.4	24.	-4.9	24.	78	5.8	84	162	21	16	2	6	1	1	.	1	17	.	.	2	.	130	70
Dorpen	6	8.0	0.1	20.0	4.	-2.0	24.	-5.9	24.	78	5.9	57		21	15	.	4	.	2	.	2	15	.	.	1	.		
Uelzen	45	8.1	0.5	21.9	4.	-2.0	24.	-4.5	24.	80	5.1	60	133	19	15	.	6	1	1	.	5	10	.	.	3	.	131	
Luchow (Wst)	17	7.9	-0.1	22.2	5.	-0.8	24.	-2.2	17.24.	79	5.7	65	163	20	16	1	4	1	.	1	2	12	.	.	3	.	141	72
Ahlhorn (BW)	48	7.9		19.6	4.	-3.6	24.	-5.6	24.	75	5.8	59		21	15	.	5	.	1	1	2	13	.	.	2	.	131	
Bassum (Luttsch-Warnamt)	53	7.8		20.0	4.	-2.5	24.	-4.5	24.	77	5.7	42		20	14	.	4	.	.	1	1	12	.	.	2	.		
Unterlus	98	7.6	0.0	22.7	5.	-4.5	24.	-5.0	24.	77	5.0	84	165	21	16	2	5	2	.	.	5	12	.	.	4	.		
Loningen	36	8.3	0.1	20.0	4.	-2.5	24.	-5.0	24.	74	6.4	54	104	17	16	.	5	.	1	1	.	14	.	.	2	.	116	
Hankensbuettel	84	7.7	-0.1	23.5	5.	-1.2	24.	-2.9	24.	78	5.8	91	198	19	18	2	5	1	.	2	2	16	.	.	1	.		
Nienburg	26	8.6	0.1	22.4	4.	-1.1	17.	-3.0	24.	74	5.4	47	100	20	12	.	3	.	1	.	3	10	.	.	2	.	136	
Lingen (Wst)	21	8.7	0.2	21.7	4.	-1.4	24.	-2.7	24.	72	5.7	68	131	19	16	1	3	.	.	.	2	12	.	.	2	.	122	73
Althausen	48	8.3	0.5	20.6	4.	-2.0	24.	-4.5	24.	77	6.2	78	144	18	18	1	3	.	1	.	2	18	.	.	3	.		
Hannover-Langenhagen (Flugh.)	53	8.4	0.3	23.1	4.	-2.8	24.	-4.5	24.	74	5.4	61	127	22	13	.	5	.	1	.	1	10	.	.	2	.	136	74
Nordhorn	24	8.4	-0.1	20.1	4.	-2.2	24.	-4.2	24.	70	5.6	79	155	20	16	1	3	.	1	1	3	13	.	.	2	.		
Wolfsburg-Falkersleben	74	8.8		23.6	4. 5.	-2.0	24.	-3.0	24.	74	4.9	74	168	20	17	2	6	.	.	2	5	11	.	.	1	.		
Braunschweig-Volkenrode (Wst)	81	8.3	0.0	22.9	4.	-2.0	24.	-4.0	24.	75	5.6	71	158	20	16	1	6	.	2	3	2	11	.	.	1	.	146	78
Osnabrueck (Wst)	95	8.4	0.1	22.6	4.	-2.6	24.	-8.9	24.	72	5.7	69	123	21	16	1	4	.	2	1	2	12	.	.	2	.	139	82
Annaturm	395	6.0		21.5	4.	-2.9	24.	-4.5	24.	82	5.7	77	117	22	19	.	6	2	14	1	.	11	.	.	7	.		
Helmstedt	144	8.3	0.3	23.5	4.	-1.5	24.	-2.5	24.	72	4.8	68	145	21	17	1	4	.	1	2	3	8	.	.	1	.		
Hildesheim	100	8.2	-0.2	24.0	4.	-1.3	17.24.	-3.3	17.	75	5.1	85	167	20	17	2	3	.	1	1	2	7	.	.	2	.		
Hameln	64	8.6		23.8	4.	-1.8	24.	-5.4	24.	77	4.7	57	112	21	15	1	3	.	2	.	3	7	.	.	2	.		
Salzgitter-Ringelheim	130	8.4		23.8	4.	-1.5	17.	-2.1	24.	73	5.4	82	164	21	17	1	6	.	2	1	3	11	.	.	2	.		
Bad Harzburg	260	7.7	0.0	23.6	4.	-1.6	24.	-1.9	24.	73	5.5	71	108	21	17	1	7	1	1	1	2	12	.	.	4	.	145	
Hahnenklee	553	4.8	-0.8	19.8	4.	-4.0	24.	-4.5	26.	88		139	139	22	20	2	9	6	7	2			.	.	8	.	126	
Schulenberg	504	5.3		19.8	4.	-3.0	24.	-5.8	18.	84	5.0	114		22	20	4	12	7	4	3	5	13	.	.	11	.	137	
Holzminden	128	8.2	-0.3	23.6	4.	-1.0	24.	-3.7	26.	70	4.9	57	104	20	13	.	5	.	1	1	3	9	.	.	1	.	122	
Einbeck	105	8.5	0.3	24.6	4.	-1.1	26.	-3.2	26.	73	5.9	53	108	21	14	1	4	.	1	.	.	16	.	.	4	.	130	
Bad Grund	300	6.6		22.5	4.	-2.0	26.			80	5.1	82	106	22	19	1	8	1	1	1	5	13	.	.	6	.	128	
Clausthal	563	5.0	-0.5	19.4	4.	-3.5	24.			84	5.5	144	148	21	20	4	11	7	3	2	4	15	.	.	10	.	129	77
Altenau	495	4.7		20.5	4.	-3.0	24.26.			88	5.9	123	131	22	20	5	11	7	6	3	3	19	.	.	10	.	126	
Holzminden-Silberborn	440	6.0		21.0	4.	-3.0	24.			74	5.2	86	116	20	16	1	7	4	3	1	4	12	.	.	8	.	121	
Braunlage (Wst)	607	4.5	-0.5	19.8	4.	-3.6	28.	-6.5	26.	82	5.7	130	153	22	18	6	13	8	3	4	1	15	.	.	10	.	136	74
Bad Lauterberg	317	6.6		22.2	4.	-2.0	26.			78	5.3	106	151	21	19	2	9	3	1	1	3	12	.	.	8	.	133	
Goettingen (Wst)	179	8.3	-0.1	24.3	4.	-1.3	26.	-3.7	26.	70	5.8	52	130	19	14	.	6	.	1	1	2	14	.	.	2	.	132	73
Berlin-Dahlem (Meteorol. Inst.)	51	8.5	-0.2	24.8	5.	-0.8	28.	-3.8	26.	72	5.2	62	151	18	18	.	5	.	.	5	4	10	.	.	3	.	150	78
Nordrhein-Westfalen																												
Rahden-Varl	42	8.2	-0.1	21.1	4.	-3.2	24.	-5.0	24.	77	5.3	52	104	22	13	1	3	.	2	1	1	13	.	.	2	.		
Bad Salzuflen (Wst)	98	8.6	0.1	24.0	4.	-2.6	24.	-5.0	24.	72	5.7	58	104	20	14	.	4	.	1	1	1	12	.	.	3	.	133	77
Munster (Wst)	62	8.7	0.1	23.3	4.	-3.0	24.	-4.9	24.	75	5.5	57	110	19	14	1	4	.	1	1	1	12	.	.	2	.	142	76
Gutersloh	72	8.5		24.0	4.	-3.4	24.	-4.8	24.	77	5.3	60	118	20	15	1	1	.	.	.	2	11	.	.	3	.		
Bocholt-Liedern (Wst)	21	8.5	0.0	22.6	4.	-3.1	24.	-6.7	24.	78	5.3	55	110	18	14	1	4	.	2	1	2	10	.	.	4	.	144	75
Bad Lippspringe (Wst)	157	8.0	-0.1	24.2	4.	-3.7	24.	-5.5	24.	76	5.5	82	126	22	14	3	5	.	1	.	2	13	.	.	4	.	127	
Kleve	45	8.8	-0.3	21.8	4.	-0.9	24.	-2.9	24.	76	5.7	59	123	16	13	1	3	.	1	1	1	11	.	.	2	.	134	
Lippstadt-Bokenforde	92	8.4		24.0	4.	-3.6	24.	-4.3	24.	73	5.5	60		17	13	1	3	.	.	1	1	.	14	.	.	4	.	132	
Dortmund	240	7.5	-0.5	22.4	4.	-2.0	24.	-3.9	26.	77	6.1	50	102	20	11	.	5	.	1	1	.	14	.	.	4	.		
Borgentreich-Bolmc	120	7.1	0.2	24.2	4.	-2.6	24.	-5.5	24.	75	4.8	88	154	21	16	3	3	.	.	2	4	9	.	.	2	.		
Essen-Bredeney (WA)	154	8.8	-0.1	23.1	4.	-1.3	24.	-4.2	26.	72	5.6	82	128	19	15	3	4	1	1	4	2	13	.	.	2	.	137	79
Hagen-Elex	100	9.0		23.5	4.	-2.4	24.	-5.1	24.	75	5.5	65		20	15	2	4	.	.	.	4	13	.	.	3	.		
Brilon	472	6.1	-0.7	22.3	4.	-4.0	26.	-6.4	26.	78	5.9	107	127	21	16	3	8	2	3	.	3	15	.	.	8	.	140	
Arnsberg	218	7.4	0.0	24.9	4.	-3.8	24.	-4.0	24.	75	5.5	110	145	21	17	4	6	1	1	.	2	11	.	.	9	.		
Lennestadt	269	9.3	0.2	25.0	4.	-1.7	26.	-3.5	24.	77	5.1	62	135	15	11	2	2	.	.	.	3	8	.	1	2	.		
Eslohe	325	5.5	0.2	23.4	4.	-2.4	24.	-5.0	26.	80	5.5	101	133	21	18	3	5	3	1	.	4	15	.	.	11	.		

Table 5 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °1)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit um 14	Bewölkung um 14	Niederschlag: Höhe in mm	in % °1)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee: Fall 0,1 mm	Schneedecke um 14 cm	Nebel	Gewitter	heitere	trübe	neblige Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer: in Std	in % °1)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Wuppertal-Buchenhofen	128	8.7	0.4	23.3	4.	-2.4	24.	-3.4	24.	76	5.6	101	129	19	15	3	4	.	.	2	4	13	.	.	2	.		
Ludenscheid	444	6.5	-0.7	20.9	4.	-3.0	24.	-4.5	26.	77	6.0	125	129	19	16	4	8	4	5	3	2	16	.	.	7	.	136	91
Dusseldorf (Sudfriedhof)	37	9.6	-0.1	24.5	4.	-0.9	26.	-3.7	26.	69	5.0	65	127	18	16	.	2	.	.	2	3	7	.	.	1	.	140	83
Kahler Asten (Wst)	839	3.4	-0.6	18.2	4.	-6.4	26.	-9.3	26.	83	6.2	124	111	22	18	3	13	13	21	.	2	18	.	.	14	2	125	78
Koln-Wahn (Flugh.)	73	9.3	0.1	24.6	4.	-3.5	26.	-5.3	26.	71	5.6	75	144	17	14	3	4	.	.	3	1	12	.	.	4	.	141	
Siegen	263	7.9	0.3	23.6	4.	-2.0	26.	-2.2	26.	74	5.3	132	186	20	16	4	5	1	4	1	2	11	.	.	4	.		
Aachen (Wst)	202	8.8	-0.1	23.6	4.	-1.1	24.	-3.4	24.	72	5.3	80	127	18	13	2	3	.	.	3	2	11	.	.	2	.	142	80
Bonn-Friesdorf	62	9.9	0.3	24.1	4.	-0.6	24.	-4.6	24.	66	5.7	63	124	18	13	2	3	.	.	4	2	14	.	.	1	.	154	
Euskirchen	176	8.8	0.1	23.9	4.	-1.2	26.	-2.1	26.	72	5.8	58	129	20	14	1	4	.	.	1	1	13	.	.	3	.		
Roetgen	440	6.4	-0.3	20.5	4.	-3.0	24.	-6.6	26.	79	5.1	114	131	18	17	4	6	3	6	1	4	10	.	.	6	.		
Sistig	505	6.2		21.0	4.	-4.5	24.	-8.0	24.26.	79	5.9	101		17	13	2	2	2	3	.	1	17	.	.	6	.	144	
Hessen																												
Arolsen	220	7.3	-0.3	22.4	4.	-3.1	26.	-5.6	26.	72	5.5	49	94	17	15	.	3	1	1	.	1	10	.	.	5	.		
Witzenhausen	133	9.3	-0.2	23.3	4.	-3.0	26.	-4.7	26.	76	5.7	50	100	19	11	.	2	.	1	1	.	11	.	.	5	.		
Willingen/Upland	580	5.1	-0.2	21.0	4.	-4.1	26.	-5.4	26.	77	6.1	115	129	21	16	4	9	3	3	.	2	17	.	.	11	.	132	79
Kassel (Wst)	231	7.8	-0.5	22.6	4.	-1.6	26.	-6.1	26.	72	5.8	50	102	18	12	1	4	2	1	2	1	14	.	.	4	.	141	
Waldeck	376	7.2	-0.4	21.0	4.	-2.2	24.	-4.5	26.	71	6.0	30	67	14	10	.	3	.	1	.	.	13	.	.	4	.		
Eschwege	205	8.2	-0.1	23.5	4.	-2.2	25.	-6.0	26.	73	6.0	41	111	18	11	.	3	.	4	.	.	11	.	.	4	.		
Melsungen	190	7.6	-0.9	23.6	4.	-3.8	26.	-5.2	26.	70	5.9	49	109	18	13	.	4	.	3	1	.	14	.	.	7	.		
Frankenberg/Eder	290	6.6	-0.6	21.1	4.	-5.4	26.	-7.0	26.	78	5.0	49		16	14	.	3	2	5	.	2	8	.	.	9	.		
Biedenkopf 1)	290	7.0	-0.6	21.8	4.	-5.0	26.	-4.8	26.	76	5.6	78	137	19	15	3	5	1	4	1	2	15	.	.	8	.	154	
Neukirchen-Hauptschwenda 1)	500	6.4	0.4	20.7	4.	-4.0	26.	-5.6	26.	75	5.5	38	66	18	12	.	7	2	6	1	3	14	.	.	8	.	114	
Bad Hersfeld (Wst)	212	8.3	0.2	23.2	4.	-3.5	26.	-5.7	26.	72	5.8	47	98	18	12	.	4	1	2	1	2	15	.	.	2	.	133	74
Marburg 1)	195	8.5	-0.4	22.8	4.	-0.4	30.	-5.4	26.	69	5.3	41	95	16	13	.	2	.	1	1	3	14	.	.	2	.	150	
Dillenburg	266	6.9	-1.3	22.1	4.	-3.5	24.	-4.5	26.	75	5.1	77	135	19	15	1	3	.	3	1	3	10	.	.	10	.		
Wartenberg-Angersbach	276	7.7	-0.1	22.6	4.	-5.0	26.	-6.5	26.	72	6.0	35	74	16	8	.	3	.	2	1	.	14	.	.	7	.		
Gießen (Liebigshohe, Wst)	186	8.8	-0.1	22.7	4.	-2.2	26.	-7.6	26.	72	5.7	43	113	15	13	.	2	.	1	.	1	15	.	.	2	.	165	84
Fulda	255	7.7	-0.1	22.1	4.	-4.5	26.	-8.4	26.	71	5.4	41	98	14	9	.	3	.	3	.	1	13	.	.	4	.	147	80
Schotten	315	7.7	-0.7	22.2	4.	-4.9	26.	-7.0	26.	73	5.0	79	120	16	13	1	3	.	2	2	4	11	.	.	6	.	159	84
Wasserkuppe (Wst)	921	3.5	-0.4	18.8	21.	-6.5	26.	-8.5	26.	82	6.0	86	110	21	16	1	13	8	22	2	3	18	.	.	13	3	129	75
Grebenhain-Herchenhain	608	5.6	-0.9	19.4	4.	-5.8	26.	-7.5	26.	80	5.4	115	139	18	16	4	7	2	9	3	4	17	.	.	7	.		
Limburg/Lahn	113	9.1	0.2	23.0	4.	-1.5	24.	-3.6	24.	68	4.8	55	128	16	10	1	1	.	.	.	3	6	.	.	3	.	166	
Bad Nauheim	160	9.1	-0.1	23.0	4.	-0.1	24.	-2.9	26.	70	4.7	45	115	15	13	.	2	.	1	.	4	6	.	.	1	.		
Mittel-Grundau	155	9.1		24.0	4.	-2.9	26.	-3.1	24.	76	4.9	64		18	15	.	3	.	.	3	4	9	.	.	4	.	169	
Kl. Feldberg/Ts. (Wst)	805	4.4	-0.5	16.9	4.	-5.4	26.	-7.2	26.28.	81	5.9	86	123	17	13	2	12	5	18	2	2	16	.	.	12	1	143	78
Offenbach a. M. (Stadt)	110	10.2	0.1	24.2	4.	0.8	24.	0.0	18.24.	67	4.6	36	80	14	10	.	1	.	.	.	4	8	.	.	.	.	168	90
Wiesbaden (Sud)	145	9.5	-0.2	23.6	4.	0.4	24.	-3.8	24.	75	5.1	53	136	15	12	1	2	.	.	2	5	9	.	.	.	.		
Frankfurt a. M. (Flugh.)	112	9.6	0.2	23.7	4.	-1.6	27.	-3.7	27.	68	5.1	33	77	14	8	.	1	.	.	3	3	10	.	.	2	.	172	91
Geisenheim (AMBF)	118	9.7	-0.2	24.6	4.	-0.3	27.	-4.2	24.	65	5.4	39	105	16	11	.	1	.	.	2	3	12	.	.	1	.	165	86
Darmstadt (Wst)	108	9.9	-0.3	24.1	4.	-1.7	27.	-6.5	27.	67	5.5	37	86	14	11	.	1	.	.	2	2	14	.	.	3	.	173	90
Lindenfels-Winterkasten	445	7.4		21.2	4.	-3.1	28.	-3.5	28.	75	5.3	72		18	12	1	4	.	4	.	3	12	.	.	6	.		
Beerfelden	450	7.7	-0.1	21.3	21.	-1.9	24.28.	-5.5	27.	70	5.9	71	90	18	15	1	3	1	.	.	.	13	.	.	5	.	158	86
Saarland																												
Weiskirchen/Saar	368	7.9		21.5	4.	-1.9	27.	-4.5	27.	73	5.3	95		16	14	4	3	.	1	1	3	11	.	.	5	.		
Nennig	153	9.7	0.5	23.9	4.	-1.5	27.	-3.0	27.	70	5.4	67	120	18	12	2	1	.	1	1	3	12	.	.	4	.		
Sankt Wendel-Leitersweiler	420	7.9		22.0	4.	-1.6	24.	-4.5	27.	80	5.2	73		14	12	2	3	.	5	1	7	15	.	.	4	.		
Tholey (Wst)	396	7.7		21.4	4.	-2.0	24.	-4.3	27.	74	5.6	68		17	14	1	4	.	2	1	3	15	.	.	4	.	149	
Huttersdorf	223	8.6	-0.2	23.4	4.	-3.0	25.27.	-5.5	27.	75	5.0	64	102	12	12	1	2	.	.	1	4	11	.	.	3	.		
Neunkirchen-Wellesweiler	236	9.1		23.0	4.21.	-1.8	27.	-2.6	25.	72	4.5	59	89	15	11	2	1	.	.	1	4	8	.	.	2	.		
Homburg/Saar	235	8.7	0.0	23.6	4.	-4.0	25.27.	-6.5	25.27.	73	5.1	66	106	15	10	1	1	.	1	1	4	14	.	.	7	.		
Berus (Wst)	363	8.5	-0.2	22.0	4.	-2.2	25.	-2.7	24.	75	5.3	62	102	17	10	1	2	.	3	1	3	8	.	.	5	.	146	70
Volklingen (KW-Fenne)	187	10.6		27.0	4.	-1.8	27.			79	4.7	51		12	10	1	2	.	.	2	3	9	.	1	4	.		
Saarbrucken-St. Johann	193	9.9	0.6	24.1	4.	-1.4	27.	-4.8	25.	66	5.7	56	102	16	10	1	.	.	3	1	3	15	.	.	2	.	124	66
Saarbrucken-Ensheim (Flugh.)	323	8.5	-0.4	22.4	4.	-1.1	27.	-5.6	27.	72	5.5	68	121	17	13	1	3	.	1	4	2	14	.	.	3	.	143	71

Table 5 ctd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rheinland Pfalz																												
Hilgenroth	290	8.0	0.0	22.8	4.	-2.4	24.	-4.2	24.	76	5.3	105	144	17	17	4	5	.	1	.	4	13	.	.	4	.		
Bad Marienberg (Wst)	547	5.8	-0.4	19.3	4.	-4.5	24.	-8.2	24.	78	5.7	127	163	20	16	3	8	6	7	2	3	15	.	.	8	.	143	76
Bad Neuenahr-Ahrweiler	111	9.7	0.8	25.9	4.	-0.2	24.	-1.0	26.	75	5.2	56	106	12	10	1	.	.	.	.	.	10	.	1	1	.	141	
Neuwied-Wollendorf	121	9.2		24.5	4.	-1.0	27.	-2.5	27.	71	5.1	59	105	16	12	2	2	.	.	1	4	10	.	.	3	.		
Niederelbert	250	8.2		23.1	4.	-3.2	24.	-5.2	24.	72	5.1	86	134	16	13	3	3	.	.	.	4	13	.	.	5	.		
Koblenz (Sud)	72	10.0	0.1	23.9	4.	1.0	28.	-1.4	28.	72	6.1	51	121	17	9	.	1	.	.	.	.	14	.	.	.	.		
Nurburg (Wst)	627	5.6	-0.4	19.4	4.	-4.3	24.26.	-5.8	24.	78	5.7	72	109	15	12	2	9	3	5	.	2	13	.	.	7	.	139	
Mayen	270	8.9	0.3	23.6	4.	-1.9	24.	-5.1	24.	70	4.9	47	104	17	12	.	3	1	.	.	5	11	.	.	5	.		
Bad Ems	77	10.2	1.0	25.1	4.	0.2	24.	-1.0	24.	73	5.5	76	152	17	15	2	1	.	1	2	3	14	.	1	.	.		
Schneidhorsthaus	657	5.0	-0.6	18.6	4.	-4.7	26.	-6.4	26.	82	5.2	136	179	15	12	6	8	3	9	1	3	12	.	.	7	.		
Weibenseifen	530	5.8	-0.6	18.8	4.	-3.0	24.	-5.6	26.	82	6.0	102	150	17	14	4	7	2	5	1	3	16	.	.	6	.	132	
Manderscheid/Eifel	403	7.0	-0.6	21.4	4.	-2.6	27.	-5.1	25.27.	82	5.2	68	108	15	11	1	3	1	.	.	2	9	.	.	6	.	153	
Blankenrath	400	7.6	0.1	22.7	4.	-2.5	24.	-4.1	25.	80	5.8	70	121	14	10	3	2	1	1	.	3	15	.	.	6	.		
Simmern-Wahlbach	440	7.0	-0.4	21.4	4.	-3.0	28.	-4.3	27.	75	5.4	58	105	15	10	1	3	1	.	1	3	13	.	.	6	.		
Mainz	125	10.0	-0.1	24.5	4.	0.6	27.	-1.0	25.	60	5.0	39	105	14	11	.	1	.	.	2	5	13	.	.	.	.		
Bernkastel	120	9.9	0.1	24.5	4.	0.2	25.	-1.7	25.	68	5.7	50	94	15	8	1	1	.	.	.	3	13	.	.	.	.	136	81
Bad Kreuznach	159	9.7	0.0	24.5	4.	0.0	27.	-5.5	29.	70	5.9	29	83	10	5	1	.	.	.	1	2	16	.	.	.	.	144	77
Herrstein	345	7.6	0.2	22.5	4.	-3.0	27.	-4.3	24.27.	74	4.8	64	121	16	11	1	2	.	.	1	3	7	.	.	6	.		
Deuselbach (Wst)	480	7.2	-0.2	20.7	4.	-3.0	24.	-5.0	24.27.	73	5.9	60	88	18	12	1	3	2	1	.	1	14	.	.	6	.	151	78
Trier (Stadt)	144	9.4	-0.1	24.0	4.	-0.8	25.	-4.9	26.	77	5.0	64	121	16	10	2	2	.	1	.	4	9	.	.	1	.	134	
Trier Petrisberg (WA)	265	8.6	-0.4	23.5	4.	-1.2	25.27.	-3.4	25.	72	5.9	58	114	16	8	1	3	.	2	1	1	15	.	.	3	.	152	81
Alf-ey	166	9.8	0.5	24.7	4.	-0.5	27.	-5.6	29.	74	5.2	28	76	12	5	.	.	.	2	1	1	11	.	.	1	.	177	95
Birkenfeld Feckweiler	395	7.1	-0.1	22.0	4.	-5.0	27.	-7.0	27.	74	5.4	77	122	11	11	3	3	1	.	2	3	13	.	.	8	.		
Ruppertsecken	488	7.6		22.1	4.	-2.8	24.	-3.5	24.	66	5.2	42	82	11	9	.	1	.	1	.	4	13	.	.	4	.		
Kaiserslautern	248	8.7	-0.6	25.0	4.	-2.0	25.	-3.2	27.	72	5.6	38	70	17	10	.	1	.	.	.	3	15	.	1	3	.	142	
Wembiet (Wst)	553	7.1	-0.5	21.6	4.	-3.6	24.	-3.8	24.	72	5.4	22		14	10	.	4	1	5	2	2	12	.	.	4	.	140	74
Neustadt Wstr. (Haidelhof)	125	9.9	0.1	23.3	4.	-0.7	27.	-5.7	27.	68	5.2	24	59	13	9	.	.	.	.	2	5	13	.	.	2	.	166	
Pirmasens	280	7.6		23.0	4.	-4.2	25.	-6.0	25.27.	75	4.9	66	116	17	12	1	4	.	.	2	5	8	.	.	9	.		
Bad Bergzabern 1)	180	9.7	-0.2	24.0	4.	-1.0	27.	-2.5	25.27.	71	5.2	49	84	12	10	1	1	.	.	.	.	3	.	.	1	.	158	
Baden-Wurttemberg																												
Wertheim Eichel	140	9.4	0.3	25.0	4.	-0.5	18.	-2.5	27.	66	4.8	32	63	15	12	.	1	.	7	.	.	5	.	1	3	.		
Landa-Komgshofen-Gerlachsheim	199	9.0		24.8	21.	-1.2	27.	-2.8	26.27.	68	5.0	35	81	17	11	.	2	.	2	1	3	11	.	.	6	.		
Mannheim (Wewa)	96	10.2	0.2	24.5	4.	-1.8	27.	-4.6	27.	67	5.2	37	82	16	10	.	.	.	.	2	4	11	.	.	2	.	162	79
Buchen, Kr. Neckar Odw	350	7.8	-0.1	23.1	4.	-2.6	25.27.	-4.1	25.	72	5.8	60	109	16	11	1	3	.	2	2	4	18	.	.	7	.	163	86
Bad Mergentheim Neunkirchen	250	8.5	-0.1	24.2	21.	-1.7	27.	-3.6	24.	71	5.2	48	98	17	11	.	1	.	2	1	3	9	.	.	7	.		
Eberbach/Neckar	176	8.4	-0.5	23.9	21.	-2.2	25.27.	-6.1	25.	69	5.5	70	101	17	14	1	2	.	.	1	3	15	.	.	4	.		
Heidelberg 1)	111	10.8	0.1	24.5	4.	1.1	24.	0.3	24.	59	4.9	46	75	17	9	.	.	.	.	2	5	11	.	.	.	.	141	76
Neudenau	210	9.4	0.0	24.8	4.	-2.0	25.	-4.0	25.	75	4.4	53	87	14	10	.	.	.	.	2	3	3	.	.	3	.		
Ingelfingen	209	9.0	0.3	24.9	21.	-1.9	25.	-3.5	25.	67	5.0	53	88	16	11	1	1	.	1	1	3	11	.	.	3	.		
Philippsburg (Kernkraftwerk)	100	10.5	0.5	24.5	4.	-0.5	25.	-2.0	25.	67	4.9	39	68	14	9	1	.	.	.	.	3	10	.	.	1	.		
Ohringen (Wst)	276	8.8	-0.3	23.9	21.	-1.9	25.	-5.0	25.	70	5.3	57	102	18	12	1	2	.	.	3	5	12	.	.	4	.	171	89
Heilbronn	167	10.1	-0.1	25.4	4.	-0.7	25.	-2.2	25.	67	4.8	50	94	18	12	1	2	.	.	1	5	11	.	2	2	.		
Eppingen	210	9.3	0.2	23.5	4.	-1.2	27.	-4.8	27.	69	4.6	73	138	16	13	2	2	.	.	2	7	9	.	.	2	.		
Crailsheim	418	7.7	-0.1	24.2	21.	-3.3	25.	-4.4	25.	69	5.7	48	86	17	11	.	3	.	.	.	1	12	.	.	7	.		
Schwabisch Hall Teurershof	379	8.2		23.6	4.	-1.8	25.	-6.2	25.	75	5.8	80		18	11	4	2	.	.	3	.	14	.	.	4	.	172	
Karlsruhe (Wst)	112	10.2	0.1	25.9	4.	-1.1	25.	-4.0	25.	67	5.5	49	83	16	13	.	1	.	.	2	4	14	.	1	2	.	171	91
Rheinstetten Forchheim	116	10.2	0.5	26.2	4.	-2.0	25.27.	-8.2	27.	69	6.2	60	107	16	14	.	1	.	3	.	.	18	.	1	2	.	161	86
Murrhardt	344	7.6	-0.2	23.4	4.	-3.4	25.	-4.8	25.	72	5.0	67	99	17	15	1	3	.	3	.	4	14	.	.	4	.		
Ilbwangen/Jagst	443	7.3	0.0	23.3	4.	-3.5	25.	-4.1	25.	73	5.0	46	85	16	11	.	4	1	.	.	6	13	.	.	7	.	160	90
Oschwend, Kr. Ostalb	492	7.1	-0.2	23.2	4.	-2.3	25.	-4.9	25.	74	5.5	66	96	18	15	1	4	1	1	1	4	17	.	.	8	.		
Pfer[illegible]	24[illegible]	8.9	0.4	23.5	4.	-2.0	27.	-5.2	27.	70	5.1	69	113	17	14	1	2	.	.	1	3	13	.	.	2	.	166	

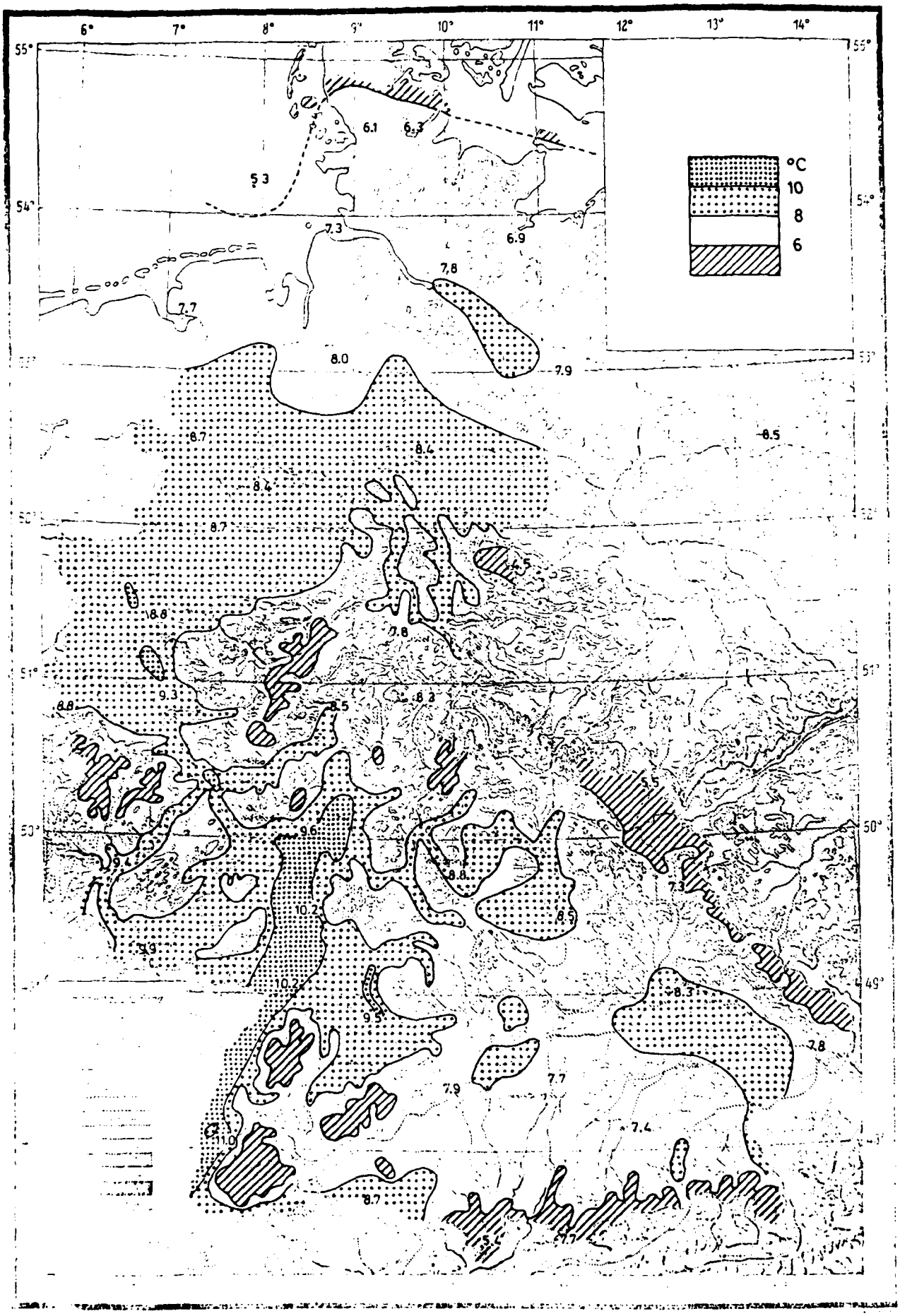
Table 5 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0..8	Niederschlag: Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0.1 mm	≥ 1.0 mm	≥ 10.0 mm	Schnee: fall ≥ 0.1 mm	decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	Eistage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % *)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Stuttgart (Schnarrnberg, WA)	314	9.5	0.1	23.7	4.	-0.3	25.	-3.3	25.27.	63	5.2	39	80	16	10	.	4	1	.	1	3	12	.	.	1	.	179	
Bad Herrenalb	351	7.9	0.4	23.7	4.	-2.5	27.	-5.2	27.	71	5.6	136	128	18	16	5	3	1	7	1	3	15	.	.	3	.	122	
Dobel	717	6.7	0.1	21.7	4.	-2.8	28.	-5.2	24.	69	5.4	137	134	17	16	5	7	3	5	.	4	15	.	.	5	.	149	
Schömberg, Kr. Calw	633	6.7	-0.1	21.5	4.	-3.0	27.	-4.5	27.	69	5.3	116	141	17	15	5	4	2	2	1	4	14	.	.	6	.	152	84
Schwabisch Gmund-Strasdorf	415	8.5	0.0	24.0	4.	-2.6	25.	-4.1	25.	69	5.2	60	91	16	14	1	3	1	.	1	5	15	.	.	4	.		
Baden-Baden	218	9.4	-0.1	25.1	4.	-1.6	27.	-3.0	27.	67	5.0	99	115	17	16	2	1	.	1	1	6	13	.	1	2	.		
Wildbad (Stadt)	417	7.2	-0.4	24.2	4.	-3.6	27.	-6.4	27.	72	5.2	132	145	17	16	6	3	1	.	.	6	13	.	.	6	.		
Wildbad-Sommerberg	740	6.4	-0.3	21.8	4.	-2.8	28.	-6.1	27.	68	5.6	141	150	19	16	5	12	3	3	.	3	16	.	.	6	.	163	
Buhlertal	190	10.3	-0.2	26.3	4.	0.8	27.	-1.1	27.	63	5.0	106	110	17	16	4	2	.	.	3	6	14	.	1	.	.		
Rheinau-Freistett	131	9.8	0.2	24.5	4.	-2.5	27.	-6.7	25.	76	5.3	53		15	12	.	2	.	.	3	4	15	.	.	2	.	146	
Enzklösterle I)	606	5.9		22.0	4.	-4.4	25.	-4.4	25.	75	5.2	129	134	16	14	4	6	3	3	.	2	14	.	.	7	.	137	
Stotten (Wst)	734	6.4	-0.1	21.2	4.	-4.0	24.	-7.4	27.	71	5.5	84	114	16	13	2	10	6	10	3	4	14	.	.	7	.	184	113
Heidenheim/Brenz	500	6.3	-1.2	22.2	4.	-6.0	25.	-7.3	25.	76	5.0	51	93	16	14	.	4	2	2	2	4	11	.	.	11	.	152	
Nurtingen-Oberensingen	280	9.1	0.1	25.7	4.	-2.4	25.	-5.6	25.	68	5.0	60		16	13	1	3	.	.	.	4	11	.	2	3	.		
Hornisgrinde	1122	3.2	-0.5	18.0	4.	-5.5	24.	-7.1	27.	82	5.9	157	100	17	16	5	13	18	16	6	4	18	.	.	15	2	134	
Herrenberg																												
Nagold	392	7.3	-0.5	24.0	4.	-3.5	25.	-5.5	25.	76	4.5	95	190	18	15	5	3	.	.	.	6	10	.	.	6	.		
Lenningen-Schopfloch	758	6.6	0.1	22.0	4.	-4.2	24.	-5.0	25.	69	5.6	84	120	17	14	3	10	3	4	.	4	16	.	.	7	.		
Laichingen	747	6.5	0.3	20.6	4.	-3.2	28.	-4.5	28.	70	5.0	87	158	16	14	3	9	3	.	1	4	12	.	.	6	.	185	
Rottenburg	342	8.1		24.8	4.	-4.3	25.	-7.8	25.	72	5.4	67		16	12	3	2	.	.	.	2	13	.	.	6	.	179	
Offenburg	155	10.2	0.2	25.8	4.	-0.6	27.	-4.0	25.	65	5.3	66	103	16	14	1	2	.	.	1	6	15	.	1	2	.		
Freudenstadt (Wst)	797	5.7	-0.2	20.7	4.	-4.0	28.	-6.4	25.	74	5.5	200	190	20	16	9	12	7	2	3	3	16	.	.	9	.	169	100
Gengenbach	185	9.6	-0.3	25.8	4.	-0.8	27.	-3.0	27.	72	5.3	94	131	17	15	3	3	.	1	2	5	15	.	1	2	.		
Munsingen	721	6.2	0.1	22.6	4.	-5.4	25.	-9.0	25.	70	5.4	87	140	17	13	4	9	3	.	1	3	15	.	.	8	.		
Hechingen	520	7.6	-0.3	23.5	4.	-3.1	25.27.	-5.6	25.	70	4.7	76	131	17	14	2	5	2	.	.	5	9	.	.	6	.		
Ulm (Wst)	522	7.9	0.3	23.5	4.	-3.6	25.	-6.8	25.	68	5.5	58	132	19	14	1	6	1	.	2	2	15	.	.	6	.	197	109
Lahr/Schw.	158	10.7	0.6	26.1	4.	-0.6	25.	-4.4	25.	66	5.2	66	110	16	14	1	2	.	.	3	6	14	.	1	1	.	165	
Wolfach	265	8.8	-0.1	26.0	4.	-2.2	27.	-3.1	27.	74	5.3	147	169	17	15	7	3	1	1	1	4	15	.	2	2	.	138	
Albstadt-Ebingen	712	5.9		21.7	4.	-4.1	25.	-8.0	25.	65	4.9	81	135	17	13	2	8	2	1	1	3	9	.	.	8	.		
Freiamt-Ottoschwanden	442	9.1		23.4	4.	-1.0	28.	-2.8	28.	66	5.0	84	122	18	14	2	3	1	1	4	7	14	.	.	1	.	163	
Rottweil	585	6.8	-0.3	23.0	4.	-5.0	25.27.	-7.0	25.	73	4.9	84	165	16	15	3	2	2	3	1	6	13	.	.	8	.	180	
Emmendingen-Mundingen	201	9.5		25.2	4.	-3.4	27.	-5.5	27.	71	5.0	73	126	17	13	1	3	.	1	3	6	12	.	1	2	.		
Schonach	904	5.3		19.4	4.	-4.2	28.			77	5.0	188		20	15	9	12	8	.	.	6	12	.	.	10	1	168	
Triberg	683	6.3	-0.3	20.9	4.	-3.2	27.	-7.7	27.	74	4.8	203	214	20	16	9	11	2	.	.	7	12	.	.	6	.		
Königsfeld/Schw.	767	5.8	-0.2	21.6	4.	-7.6	27.			79	4.7	134	200	19	16	7	12	6	.	.	7	10	.	.	11	.	166	98
Biberach/Riß	534	7.8	0.3	22.9	4.	-2.0	25.	-5.1	25.	68	4.8	92	200	18	14	3	3	2	.	3	6	11	.	.	3	.		
Schonwald/Schw. I)	1031	4.6		19.5	4.	-5.5	28.			76	5.5	221		20	16	10	12	9	.	.	4	17	.	.	13	1	160	
Klippeneck (Wst)	973	5.3	-0.1	20.2	4.	-4.7	28.	-6.2	25.	72	5.2	68	124	18	14	2	11	8	12	2	3	12	.	.	12	.	176	94
Oberrotweil I)	223	10.5	0.6	25.7	4.	-0.9	27.	-3.6	27.	64	4.9	56	122	16	11	1	2	.	1	3	6	12	.	1	2	.	169	
Sigmaringen	650	6.7	-0.5	22.6	4.	-4.6	25.	-7.4	25.	70	5.2	64	131	19	13	1	6	1	2	1	2	11	.	.	8	.		
Lilienthal bei Ihringen	284	9.1	0.0	24.8	4.	-2.1	27.	-3.5	27.	71	4.8	63	119	14	13	1	2	1	.	1	5	10	.	.	2	.	147	
Villingen	698	5.9	-0.1	22.1	4.	-6.1	25.	-10.2	27.	77	5.1	91	163	17	13	3	6	2	.	1	2	13	.	.	10	.		
Freiburg i. Br.-Herdern	255	10.6	0.3	25.8	4.	-1.0	27.	-5.2	27.	68	5.4	86	132	15	12	4	1	1	1	3	4	13	.	1	1	.		
Sankt Mergen	900	5.9	0.0	20.5	4.	-3.8	28.			72	5.1	173		19	16	6	11	7	12	2	4	13	.	.	9	.		
Bad Durrheim	718	6.4	0.6	21.0	4.	-6.5	27.			72	4.6	75	144	17	14	1	6	2	.	.	7	10	.	.	9	.	161	
Freiburg i. Br. (WA)	269	11.0	0.7	26.2	4.	0.4	28.	-1.5	27.	58	5.6	85	144	15	12	4	2	1	1	3	5	16	.	1	.	.	166	
Mengen i. Br.	215	10.8	1.2	26.3	4.	-1.5	27.	-2.4	27.	69	5.2	53	108	14	11	1	2	.	.	3	5	10	.	1	2	.		
Aulendorf	571	7.4	0.2	22.0	4.	-3.1	25.	-6.0	25.	70	5.2	90	158	17	13	3	4	1	1	3	3	15	.	.	6	.	184	108
Donaueschingen I)	677	6.6	0.3	21.6	4.	-6.0	27.	-8.1	27.	76	4.6	80	174	17	14	1	6	2	.	1	6	9	.	.	6	.	180	
Titisee-Neustadt I)	835	4.8	-0.4	21.0	4.	-7.2	27.	-7.5	27.	77	5.0	157	209	17	15	7	9	3	.	2	3	10	.	.	13	.	174	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Friedenweiler	924	5.0		21.8	4.	-5.2	27.			73	4.8	139		18	15	5	10	4	1	.	5	10	.	.	11	.	158	
Pfullendorf Brunnhausen	638	5.5	-1.5	21.0	4.	-5.8	25.	-7.8	25.	74	5.1	81	147	18	14	2	4	1	1	2	4	13	.	.	11	.		
Breitgarten (BW)	212	10.4		25.6	4.	-1.2	25.	-3.2	25.	60	5.0	57	136	14	12	1	2	.	.	2	4	10	.	1	2	.	165	
Hinterzarten	883	4.6	-0.4	20.6	4.	-7.0	27.			78	5.0	191	242	18	15	8	9	7	.	.	4	11	.	.	14	.	161	
Obermünstertal	545	8.2		23.6	4.	-1.5	25.			68	5.3	141	164	17	14	5	5	2	5	1	4	13	.	.	4	.	137	
Feldberg/Schw. (Wst)	1486	1.3	-0.1	12.6	4.	-8.6	28.	-15.1	19.	82	6.1	214	193	17	16	11	17	30	20	3	2	18	.	.	21	7	143	93
Lenzkirch	818	5.0	-0.4	21.8	4.	-5.5	27.			76	4.8	153	222	19	14	6	8	5	3	.	6	12	.	.	13	.	163	107
Aach, Kr. Konstanz	478	7.9	-0.3	24.6	4.	-3.6	25.27.	-6.2	27.	74	5.1	67	146	17	13	2	3	.	.	1	3	14	.	.	3	.		
Stockach	475	7.2		22.9	21.	-3.1	25.	-4.5	25.	73	5.0	100	196	17	14	4	1	.	3	1	4	13	.	.	4	.		
Menzenschwand	885	4.6	-0.2	20.3	4.	-7.9	27.			75	5.3	236	219	17	17	11	10	6	.	2	3	14	.	.	16	.		
Schluchsee	963	4.4	0.0	20.2	4.	-5.0	25.			80	4.5	162	188	19	17	8	9	8	.	2	6	9	.	.	15	.	167	
Badenweiler	412	10.0	0.8	25.2	4.	-0.5	27.	-1.6	27.	63	4.9	79	111	16	14	1	2	1	2	1	5	12	.	1	1	.	142	
Ravensburg 1)	435	8.5	0.1	23.2	4.	-3.0	25.	-4.5	25.	73	5.2	83	126	16	15	3	3	1	1	2	2	13	.	.	3	.	186	103
Friedrichsheim	852	5.7	-0.5	21.2	4.	-4.0	28.	-4.0	25.	78	5.0	171	151	18	17	8	11	5	3	.	5	12	.	.	10	.		
Sankt Blasien 1)																												
Hochenschwand	1008	4.7	-0.5	18.6	4.	-4.6	28.	-6.6	27.	71	5.0	171	206	18	17	6	11	8	4	.	3	11	.	.	13	.	167	
Radolfzell	400	8.5	-0.3	22.6	21.	-1.0	25.			67	4.8	90	176	15	14	3	1	.	6	.	4	10	.	.	2	.		
Isny	691	6.1	-0.4	22.3	21.	-5.0	25.	-5.6	25.	73	5.5	167	153	17	15	7	9	4	1	1	2	17	.	.	5	.	167	
Konstanz (Wewa)	443	8.7	0.1	23.5	21.	-0.7	25.	-2.9	25.	66	5.4	96	192	15	15	3	5	.	.	4	3	12	.	.	1	.	195	109
Wutoschingen	383	8.5	0.1	24.2	4.	-2.0	27.	-3.5	25.	71	4.9	126	214	17	14	5	3	.	1	1	3	9	.	.	2	.		
Schopfheim	400	8.4	-0.2	24.9	4.	-1.3	27.	-2.1	27.	72	5.2	148	183	19	15	4	3	1	4	3	5	13	.	.	2	.		
Erzkirch-Wolfzennen	408	8.3		23.8	4.	-2.7	25.	-4.0	25.	71	5.5	95	158	16	16	3	3	.	.	2	3	15	.	.	1	.	170	
Emmeldingen	264	9.8		26.0	4.	-0.8	27.	-3.1	27.	69	4.9	74	140	17	12	3	1	1	.	3	5	8	.	1	2	.		
Waldshut	330	8.8	-0.7	25.2	4.	-1.5	27.	-3.4	27.	73	4.7	146	218	17	15	5	3	.	.	.	5	10	.	1	2	.		
Jungholz (Kuhmoos)	723	5.9		21.9	4.	-5.0	27.			74	5.2	167	194	17	16	5	8	2	11	3	5	14	.	.	11	.		
Rheinfelden	287	9.9	0.1	25.8	4.	-1.3	27.	-2.3	27.	65	5.0	129	205	15	14	6	2	.	1	2	5	13	.	1	2	.	161	
Bad Säckingen	355	9.0		24.8	4.	-1.1	27.			65	4.8	165	262	16	15	5	2	.	1	4	4	12	.	.	2	.	161	
Bayern																												
Ostheim/Rhön	315	7.5		23.0	21.	-4.7	26.	-6.9	26.	75	6.1	39	111	15	10	.	1	.	1	.	.	15	.	.	6	.		
Tenschnitz-Wickendorf	560	5.1	-0.9	20.5	21.	-5.5	26.	-8.4	26.	81	5.5	91	149	18	12	3	8	3	2	.	3	16	.	.	7	.		
Langenleiten	520	7.3	-0.3	21.4	21.	-3.1	26.	-4.5	26.	69	5.4	69	108	17	14	2	6	.	1	1	3	14	.	.	5	.		
Hof-Hohensaas (Wst)	567	5.5	-0.2	20.9	5.	-3.8	26.	-6.3	27.	78	5.8	51	106	16	12	2	7	5	2	.	3	15	.	.	9	.	145	81
Coburg (Wst)	337	7.8	-0.3	24.3	21.	-3.1	26.	-5.2	26.	76	5.6	47	112	18	14	.	4	1	1	3	4	15	.	.	7	.	146	76
Kronach	305	7.7	0.3	23.3	21.	-3.0	26.	-4.1	26.	71	6.5	55	112	16	13	2	3	1	1	1	.	19	.	.	7	.		
Bad Kissingen (Wst)	262	8.5	-0.1	24.4	21.	-2.9	26.	-6.4	26.	68	5.4	53	120	16	13	.	3	.	2	1	3	11	.	.	5	.	147	80
Selb/Ofr. 1)																												
Oelschnitz	553	5.4	-0.6	22.1	5.	-4.9	27.	-7.2	26.	79	5.5	72	114	17	13	2	8	3	3	1	3	13	.	.	7	.		
Kahl/Main	110	9.6	-0.1	24.5	4.	-0.7	26.	-5.5	26.	69	5.5	42	84	16	10	.	2	.	1	2	3	14	.	.	1	.		
Schweinfurt	240	8.6	-0.5	24.7	21.	-2.5	26.	-3.8	26.	71	4.8	33	92	16	9	.	2	.	.	1	6	11	.	.	5	.		
Steinbach b. Lohr/Main	161	8.7	0.5	23.9	21.	-2.1	26.27.	-2.6	26.	72	5.4	58	116	16	13	.	2	.	4	.	2	8	.	.	3	.		
Fichtelberg/Ofr.	705	5.0	-0.9	20.5	5.	-4.2	26.	-5.0	26.	77	5.7	74	109	20	14	2	11	4	9	2	1	15	.	.	9	.		
Bayreuth	330	7.3	-0.3	23.5	21.	-3.0	27.	-4.6	27.	77	5.8	46	105	16	13	.	3	1	5	1	.	12	.	.	9	.	142	79
Bamberg (Wst)	239	8.5	0.1	24.3	21.	-2.7	26.	-3.5	26.	71	5.8	39	98	16	11	.	3	.	3	2	3	18	.	.	5	.	160	94
Tirschenreuth	515	6.2	-0.6	22.1	5.	-3.9	27.	-5.2	27.	72	5.4	42	105	17	11	.	6	2	7	1	3	14	.	.	7	.		
Würzburg (Wewa)	268	8.8	-0.5	23.8	21.	-0.5	27.	-2.9	27.	67	5.3	31	69	15	10	.	2	.	1	2	3	13	.	.	4	.	167	85
Gotzenstein	450	7.2	0.0	23.0	21.	-2.5	26.27.	-4.0	26.	68	4.8	62	115	14	13	2	4	2	.	1	5	12	.	.	7	.		
Altglashütte	750	5.5	0.0	20.0	5.	-3.1	24.	-6.3	28.	76	5.5	61	86	17	13	1	10	4	5	1	5	17	.	.	8	.		
Mittenberg	127	9.0		23.8	4.	-1.3	25.	-4.4	26.	69	5.4	57	112	16	13	2	1	.	3	.	3	14	.	.	3	.		
Weiden/Opf. (Wst)	438	7.3	-0.1	22.4	5.	-4.1	27.	-7.1	27.	73	5.4	38	93	16	11	.	3	1	1	.	4	14	.	.	7	.	158	87
Erlangen	270	8.4	0.1	23.7	5.	-1.7	25.	-5.0	27.	69	4.9	45	107	15	11	2	2	.	1	1	4	11	.	.	5	.	161	101
Neustadt/Aisch	333	8.3	0.0	24.1	21.	-2.0	26.	-2.7	26.	71	5.1	31	78	15	8	.	3	1	1	1	4	13	.	.	7	.		
Uffenheim	340	8.6	0.3	23.9	21.	-1.9	26.	-4.8	26.	65	5.3	23	56	14	7	.	3	.	.	1	5	12	.	.	5	.		

Table 5 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit %	Bewölkung 0-8	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0.1 mm	≥ 1.0 mm	≥ 10.0 mm	Schnee: fall ≥ 0.1 mm	decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Nürnberg-Kraftshof (Flugh.)	310	8.5	0.3	23.6	5.	-2.1	17.	-3.5	27.	71	5.2	39	98	14	10	.	3	.	1	1	3	11	.	.	5	.	180	95
Pommelsbrunn	368	6.8	-0.9	23.8	5.21.	-4.2	27.	-4.5	27.	73	4.7	73	128	16	14	2	3	.	2	2	6	11	.	.	8	.		
Amberg-Unterammersricht	386	7.4	-0.6	23.0	21.	-4.2	27.	-5.4	27.	71	5.1	36	95	17	13	.	3	.	.	.	4	14	.	.	7	.		
Oberviechtach	498	6.3	-0.5	21.3	5.	-4.8	27.	-8.0	27.	77	5.5	51	91	15	12	.	4	2	.	2	2	13	.	.	9	.		
Rothenburg o.d. Tauber	406	7.7	-0.2	23.5	21.	-2.0	24.	-4.3	24.	72	5.3	33	69	15	11	.	3	.	1	2	3	13	.	.	7	.		
Schwandorf	372	7.4	-0.4	23.3	21.	-2.7	27.	-6.2	27.	72	4.4	36	84	17	13	.	4	.	1	2	5	7	.	.	5	.		
Ansbach-Claffheim	481	7.0		21.9	21.	-1.6	28.	-3.2	25.	74	5.6	33		16	9	.	3	1	1	1	4	14	.	.	8	.	179	
Roth b. Nürnberg	340	7.9	-0.2	23.8	22.	-2.1	18.27.	-3.6	18.	72	4.7	41	98	16	12	.	3	.	1	1	4	8	.	.	8	.		
Cham	420	7.7	-0.2	23.5	5.	-0.5	27.	-2.5	25.	68	4.7	43	102	18	12	.	6	.	1	3	4	9	.	.	4	.	163	91
Parsberg/Opf.	542	7.4	-0.2	22.6	21.	-1.8	27.	-2.3	27.	70	5.0	52	111	16	12	.	5	1	.	2	2	10	.	.	5	.		
Höllenstein-Kraftwerk	403	6.3	-0.4	21.8	5.	-2.1	25.	-3.5	18.	81	5.4	64	116	18	13	1	7	.	2	1	5	14	.	.	7	.		
Großer Arber (Wst)	1437	0.4		15.0	5.	-8.6	24.			80	5.9	138		20	17	6	17	30	24	2	3	16	.	.	22	12	131	
Regensburg (Wst)	366	8.3	0.3	23.1	22.	-0.6	24.	-4.6	25.	68	4.8	34	85	14	8	.	4	1	1	2	3	6	.	.	2	.	198	109
Weißenburg/Bay. (Wst)	422	8.0	0.2	22.2	4.22.	-2.4	27.	-4.3	27.	70	5.2	39	91	15	11	1	4	2	1	1	3	9	.	.	6	.	176	93
Eichstätt	397	7.7		23.2	21.	-2.5	25.	-4.2	25.	71	4.9	44	102	15	9	.	3	.	2	3	3	9	.	.	3	.		
Nördlingen	425	8.4	0.6	22.8	21.	-2.9	25.	-5.1	25.	72	5.4	30	75	15	10	.	3	.	1	1	4	15	.	.	6	.	145	
Metten	313	7.7	-0.3	23.1	5.21.	-2.8	25.	-5.3	25.	71	5.4	46	82	13	9	1	2	.	.	3	3	15	.	.	4	.	145	
Kosching	417	8.0	-0.2	23.2	22.	-2.5	25.	-5.0	25.	80	6.1	40		17	9	.	4	.	.	3	.	13	.	.	2	.	175	
Freyung v. Wald	645	5.8	-0.6	22.9	21.	-3.5	25.	-4.5	25.	77	5.5	81	117	21	13	1	6	2	2	2	5	14	.	.	8	.		
Mallersdorf/Ndb	410	8.5	0.6	22.5	21.	-0.6	18.25.	-2.0	18.	69	4.6	22	51	13	7	.	3	.	.	3	3	8	.	.	2	.		
Kaisheim-Neuhof	516	7.4	-0.3	22.3	4.	-3.1	25.	-7.6	25.	67	5.1	46	98	14	11	.	4	1	1	1	2	8	.	.	6	.		
Karlshuld	374	7.7	-0.1	23.1	21.	-2.7	18.25.	-6.1	25.	70	5.0	31	79	13	9	.	3	1	.	1	2	8	.	.	7	.	165	
Mainburg	450	8.2		24.0	21.	-1.0	25.	-4.0	25.	68	5.1	30	61	15	10	.	4	1	.	1	3	12	.	.	3	.	172	
Dillingen/Donau	435	8.3	-0.2	23.6	4.	-2.6	25.	-5.0	25.	71	4.7	57	133	16	12	2	2	.	.	1	3	9	.	.	5	.		
Passau-Oberhaus (Wst)	409	7.8	-0.4	23.0	5.	-2.3	25.	-4.9	25.	72	5.1	59	100	16	11	2	4	1	3	3	3	11	.	.	3	.	158	88
Kumhausen	436	7.8	0.1	23.0	22.	-2.5	25.	-3.7	25.	69	4.6	41	89	18	11	1	5	.	.	2	4	10	.	.	3	.	176	
Falkenberg, Kr. Rottal-Inn	490	8.0	-0.4	21.9	22.	-1.6	25.	-3.9	25.	66	4.1	36	68	14	10	.	2	.	.	3	7	7	.	.	1	.		
Augsburg-Mühlhausen (Wst)	461	7.7	-0.5	22.8	4.	-3.6	25.	-3.7	25.	69	4.9	49	104	19	14	.	6	1	.	2	4	11	.	.	5	.	195	107
Weihenstephan (AMBF)	467	7.5	0.1	22.6	4.	-2.6	25.	-5.0	25.	71	5.0	54	106	17	13	1	4	2	.	1	1	10	.	.	6	.	188	102
Simbach/Inn	360	8.0		21.8	5.	-3.0	25.	-6.0	25.	78	5.0	55	95	17	12	1	6	.	3	4	4	10	.	.	3	.	169	
Krumbach-Edenhausen	520	7.1	-0.3	24.4	21.	-5.3	25.	-8.3	25.	69	4.3	67	120	18	14	2	4	1	.	1	8	10	.	.	8	.	184	
Mühldorf/Inn (Wst)	401	7.9	-0.2	22.3	5.	-3.0	25.	-5.9	25.	73	5.3	42	79	16	12	.	5	.	1	2	3	13	.	.	4	.	162	92
München-Nymphenburg	515	7.9	-0.1	23.0	4.	-2.7	25.	-5.3	18.25.	67	4.8	60	102	17	13	.	6	1	.	3	3	7	.	.	5	.	178	103
München-Riem (Flugh.)	527	7.4	-0.2	23.2	4.	-3.5	25.	-8.0	25.	70	4.8	67	108	16	13	2	7	2	.	3	2	9	.	.	9	.	178	99
Kaufering	585	7.1		22.2	4.	-2.4	25.	-3.8	25.	70	5.1	78		17	15	2	6	2	.	2	3	11	.	.	6	.		
Ebersberg	573	7.3		21.2	4.	-2.7	25.	-4.3	25.	73	5.2	77	113	16	12	3	8	2	.	2	1	11	.	.	5	.		
Trostberg	487	7.8	-0.1	23.5	5.	-2.0	25.	-3.9	25.	70	5.0	98	144	16	12	4	5	2	1	1	4	10	.	.	4	.		
Memmingen	595	7.2	0.0	22.2	4.	-3.3	25.	-6.5	25.	69	4.8	92	148	18	15	3	6	2	.	3	5	10	.	.	5	.		
Kaufbeuren	720	6.6	0.0	21.4	4.	-4.7	25.	-6.8	25.	72	5.3	127	179	15	14	6	7	3	2	1	4	13	.	.	7	.		
Attenkam	665	6.0	-1.0	12.2	4.	-4.4	25.	-7.8	25.	68	5.2	83	122	14	12	2	7	3	.	1	2	12	.	.	7	.		
Kotzing 1)																												
Rosenheim	446	8.7	0.5	24.0	4.	-1.0	25.	-1.3	25.	72	5.1	84	117	13	12	4	4	.	.	2	3	12	.	.	3	.	169	
Hohenpeißenberg (Observatorium)	977	5.4	-0.2	21.1	4.	-5.6	28.	-7.8	25.	69	5.0	80	110	15	13	2	12	8	13	3	2	9	.	.	13	.	191	115
Kempten (Wst)	705	6.1	-0.2	22.4	4.	-4.7	25.	-5.8	25.	74	5.3	151	178	16	14	4	11	3	.	4	5	12	.	.	6	.	178	105
Wendelstein (Wst)	1832	-0.4	-0.5	12.0	4.	-11.2	28.	-10.4	25.	77	5.6	158		16	14	4	16	30	20	1	3	13	.	.	23	9	139	95
Reit im Winkl	695	5.8	-0.4	22.3	4.	-4.5	25.	-6.3	25.	74	4.9	143	109	17	13	6	10	2	.	.	5	12	.	.	9	.	154	
Schwangau-Horn	796	6.5	0.2	22.2	4.	-4.7	25.	-5.0	25.	68	4.6	121	134	16	15	4	10	3	2	1	8	11	.	.	7	.		
Garmisch-Partenkirchen (Wst)	719	6.3	-0.1	24.3	4.	-4.1	25.	-7.2	25.	70	5.5	111	131	17	13	3	9	4	.	.	1	13	.	.	13	.	185	120
Zugspitze (Wst)	2960	-7.7	-0.8	9.3	4.	-17.7	29.			81	5.8	264	156	20	17	10	20	30	24	1	3	15	.	.	30	24	175	108
Oberstdorf (Wst)	810	5.4	-0.2	23.0	4.	-3.7	18.	-6.4	25.	68	5.5	192	168	20	17	6	11	7	.	.	4	14	.	.	10	.	143	94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8.7

Table 5 ctd. (precipitation in mm) April 1985

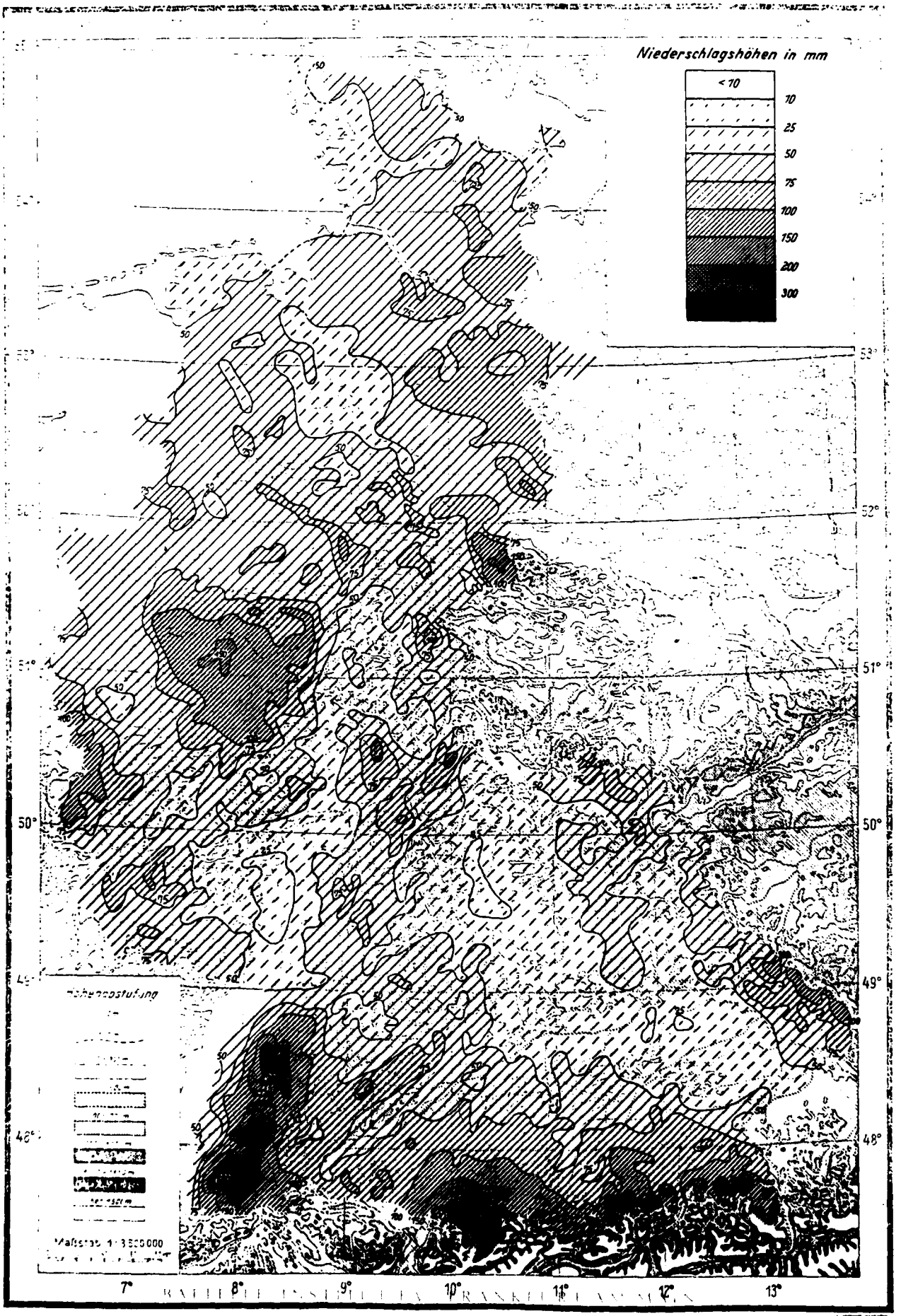

Table 5 ctd. (precipitation in % of 1931 -- 1960 mean values) April 1985

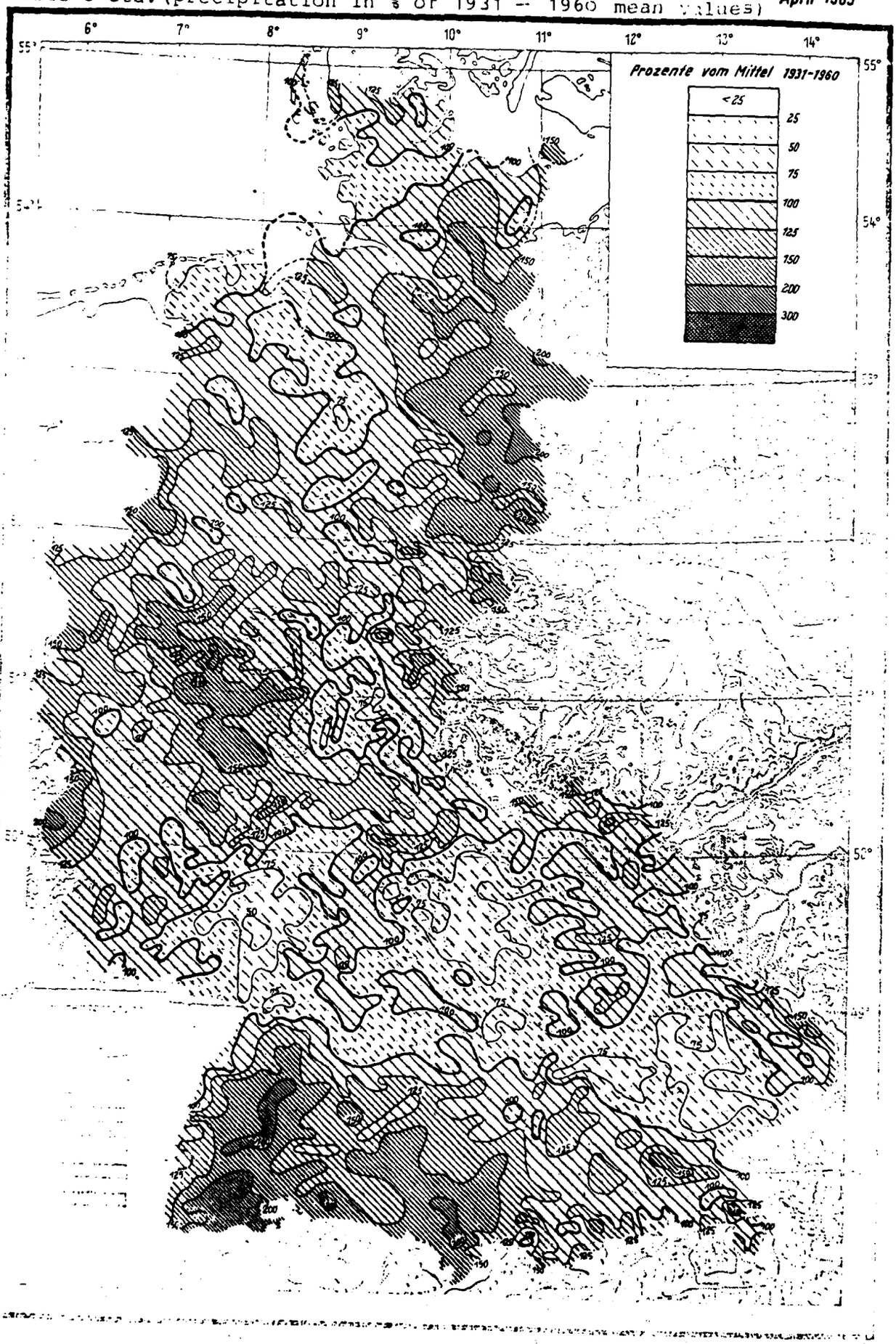

Table 5 ctd. (air temperature in % of 1931 – 1960 mean values) *April 1985*

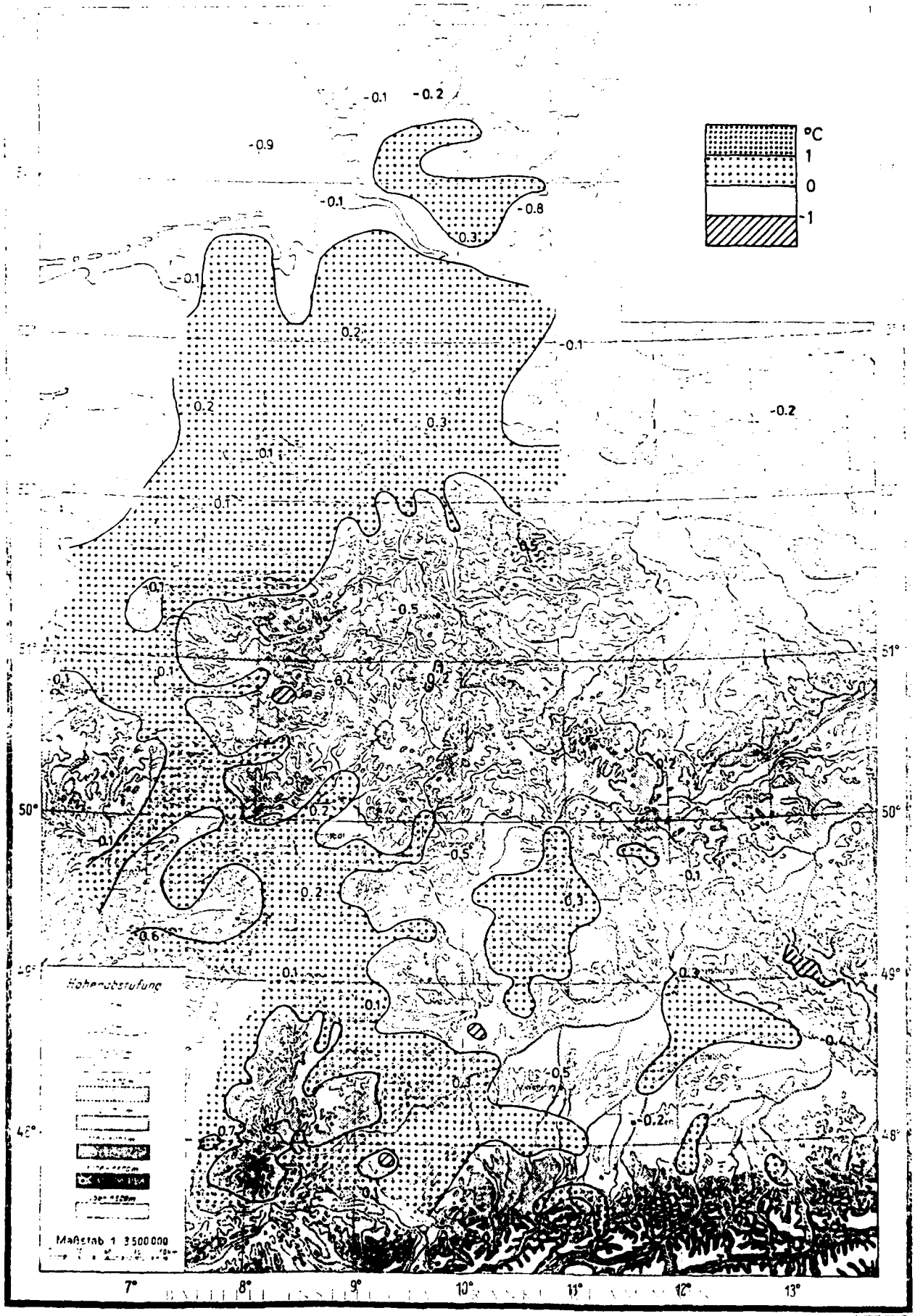

Table 6 Meteorological/Climatological Data for the Areas of Investigation (May 1985)

Monatswerte

Mai 1985

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0-8	Niederschlag: Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0,1 mm	≥ 1,0 mm	≥ 10,0 mm	Schnee fall ≥ 0,1 mm	Schnee decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Schleswig-Holstein																												
List auf Sylt (Wst)	26	12.0	1.2	26.2	27.	2.0	3.	0.1	3.	73	4.6	26	65	6	3	1	.	.	3	2	5	9	.	1	.	.	257	102
Leck ((BW)	7	11.9	1.1	28.1	27.	-0.5	3.	-1.9	3.	74	4.4	20		12	8	.	.	.	3	1	6	9	.	2	2	.	223	
Flensburg (Schaferhaus)	41	11.7	0.7	27.0	27.	0.2	1.	-1.5	1.	74	4.3	37	77	11	8	1	.	.	1	.	6	8	.	2	.	.	212	83
Wyk/Föhr	1	12.1		26.5	27.	0.8	1.	-1.8	3.	76	4.9	16	40	8	6	.	.	.	1	1	5	13	.	2	.	.	235	
Stoltebull 1)	28	10.9	0.5	22.5	27.	1.1	1.	0.2	1.	80	4.2	44	94	11	8	1	.	.	.	2	10	9	.	.	.	.	210	
Schleswig (WA)	43	11.8	0.8	27.5	27.	0.5	1.	-0.2	1.	75	4.7	26	46	9	8	.	.	.	1	5	4	9	.	2	.	.	235	95
Westermarkelsdorf Fehmarn 1)	1	10.1	-0.7	25.5	27.	2.6	3.	1.9	3.	83	4.5	52	124	13	9	1	.	.	6	4	6	11	.	1	.	.	231	
Schwesing (BW)	28	11.8	0.8	28.6	27.	0.4	3.	-1.2	1.	76	4.6	12	25	9	4	.	.	.	2	4	6	8	.	2	.	.	214	
Kiel-Kronshagen (Wst)	17	12.1	0.7	28.2	27.	0.4	1.	-1.3	1.	75	4.4	34	71	10	7	.	.	.	2	.	.	.	.	2	.	.	202	81
Hohwacht	10	10.7	-0.3	26.5	27.	1.7	4.	0.7	4.	80	4.3	44	92	10	6	3	.	.	1	1	5	8	.	1	.	.		
Erfde 1)	18	12.1	1.0	28.8	27.	1.2	1.	0.4	1.	75	4.8	21	35	10	6	.	.	.	.	2	3	10	.	2	.	.	233	
Hohn (BW)	10	11.8		29.1	27.	0.3	1.	-1.6	1.	67	4.5	22		8	6	.	1	.	3	4	5	7	.	2	.	.	219	
Sankt Peter-Ording	4	12.2	1.0	29.0	27.	0.5	1.	-2.2	1.	76	4.7	14	33	6	3	.	.	.	.	1	3	9	.	2	.	.	238	
Rendsburg	8	12.2	0.9	30.0	27.	1.7	1.	-0.8	1.	74	5.1	24	43	10	5	.	.	.	.	3	3	13	1	3	.	.		
Lensahn	14	11.0	-0.4	27.8	27.	1.5	3. 4.	-0.5	3.	81	5.0	56	117	9	7	3	.	.	1	1	5	13	.	1	.	.		
Heide/Holstein	12	12.4	0.7	29.8	27.	-0.1	1.	-1.5	1.	71	4.7	31	55	9	6	.	.	.	1	3	1	8	.	2	1	.		
Helgoland (Wst)	4	10.6	0.3	20.2	26.	2.7	2.	2.6	1.	83	4.7	7	16	8	2	.	.	.	7	1	3	7	.	.	.	.	132	95
Plön (See) 1)	24	12.2	0.7	29.2	27.	1.8	1.	0.0	1.	75	4.7	31	55	11	6	1	.	.	2	.	4	9	.	2	.	.	202	
Eutin	50	11.9	0.3	28.9	27.	1.4	1.	-0.5	4.	78	4.5	32	57	10	6	1	.	.	.	1	8	9	.	2	.	.		
Hohenwestedt	80	12.0	0.7	29.0	27.	1.2	1.	0.0	1.	78	4.0	23	40	9	6	.	.	.	.	1	10	7	.	3	.	.		
Neumünster	21	12.9	0.8	29.5	27.	0.6	1.	-1.1	1.	71	4.1	21	40	10	4	.	.	.	1	.	7	5	.	2	.	.		
Helse, Kr. Dithmarschen 1)	2	12.5	0.9	28.4	27.	0.9	1.	-1.4	1.	74	4.2	10	20	8	3	.	.	.	1	1	5	6	.	2	.	.	225	
Travemünde 1)	9	11.0	-0.5	29.2	27.	1.7	1.	1.0	1.	77	4.2	28	58	7	6	1	.	.	3	2	9	9	.	2	.	.	238	
Wahlstedt	45	12.5	1.0	28.9	27.	1.7	3. 4.	-0.3	1.	71	4.5	18		8	6	.	.	.	.	1	8	12	.	3	.	.		
Lübeck (Wst)	14	12.1	-0.1	30.4	27.	0.6	4.	-1.9	4.	74	4.7	32	57	9	5	1	.	.	2	3	4	7	1	2	.	.	215	86
Brande-Hörnerkirchen 1)	9	12.6	1.3	30.0	27.	0.3	1.	-2.1	1.	80	4.8	23		6	5	.	.	.	7	1	.	6	1	2	.	.	206	
Glückstadt 1)	2	12.8	0.6	30.3	27.	2.3	1.	0.4	1.	76	4.7	30	56	10	7	1	.	.	3	.	4	7	1	2	.	.	208	
Quickborn (Fernmeldebetriebsgruppe)	13	12.9	1.3	29.2	27.	1.2	4.	-0.9	4.	74	4.6	20		10	3	.	.	.	4	1	1	6	.	2	.	.	200	
Ahrensburg-Wulfsdorf (AMBF)	46	12.3	0.7	29.0	27.	0.8	4.	-2.5	4.	74	4.4	47	78	6	4	1	.	.	1	1	5	9	.	2	.	.	208	
Grambek	27	13.4	1.3	29.4	27.	-0.4	4.	-2.1	4.	73	4.4	31	63	10	6	1	.	.	.	.	4	7	.	3	1	.		
Hamburg-Fuhlsbüttel (Flugh.)	13	13.2	1.2	29.2	27.	0.9	1.	-1.4	4.	72	4.5	33	60	7	2	2	.	.	3	1	2	6	.	3	.	.	234	102
Bremerhaven (Wewa)	7	13.3	1.3	29.7	27.	3.2	1.	1.7	1.	75	4.8	12	21	10	5	.	.	.	2	1	3	8	.	3	.	.	224	97
Bremen (Flugh.)	4	13.9	1.8	29.4	27.	0.1	1.	-2.4	1.	74	5.3	32	57	11	7	.	.	.	3	3	1	13	.	3	.	.	213	92
Niedersachsen																												
Cuxhaven (Wst)	5	12.5	0.6	29.9	27.	3.0	1.	-2.0	1.	81	4.7	10	19	8	2	.	.	.	1	1	4	9	.	2	.	.	236	98
Wangerooge	3	11.4	0.5	29.7	27.	2.8	1.	2.2	1.	83	7.0	18	38	11	6	.	.	.	5	1	.	21	.	2	.	.		
Langeoog	5	11.7	0.8	30.0	27.	3.1	1.	1.4	1.	83	5.0	16	36	9	5	.	.	.	1	.	3	8	1	2	.	.		
Norderney (Wst)	11	11.7	0.7	30.3	27.	3.1	2.	3.0	2.	81	4.8	13	30	11	4	.	.	.	5	1	4	9	1	2	.	.	220	94
Bederkesa	27	13.4	1.5	31.0	27.	0.1	1.	-0.3	1.	74	4.6	14	24	8	4	.	.	.	.	1	5	11	1	4	.	.		
Wilhelmshaven	1	12.9	1.1	28.6	27.	1.2	1.	-1.3	1.	78	4.3	22	42	11	7	.	.	.	2	1	5	6	.	2	.	.		
Jever (BW)	7	12.9	1.3	30.5	27.	0.7	1.	-1.8	1.	72	4.8	19	38	11	8	.	.	.	5	1	4	8	1	2	.	.	218	
Jork	1	13.4	1.2	31.0	27.	0.0	1.	-1.7	1.	70	5.0	46	81	7	3	1	.	.	.	1	2	10	1	3	.	.	235	
Bremervörde	5	13.2	1.1	31.5	27.	-1.4	1.	-3.6	1.	72	4.8	13	22	9	5	.	.	.	1	1	1	8	1	4	1	.		
Aurich	4	12.7	1.2	29.8	27.	-0.2	1.	-2.0	1.	77	5.8	16	29	8	4	.	.	.	1	1	.	14	.	2	1	.	214	
Emden-Nesserland (Wst)	5	13.2	1.4	29.9	27.	3.0	3.	1.0	3.	74	5.5	19	35	8	3	.	.	.	3	1	2	14	.	2	.	.	212	91

1) Sonnenscheindauer nicht direkt am Standort der Station registriert *) vom Mittel 1931-1960 **) vom Mittel 1951-1960
Abkürzungen: WA = Wetteramt, Wewa = Wetterwarte, Wst = Wetterstation, AMBF = Agrarmeteorologische Beratungs- und Forschungsstelle, BW = Bundeswehr, Khst = Klimahauptstation, Nst = Niederschlagsstation

Table 6 ctd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Brake (Unterweser)	5	13.1	1.1	29.5	27.	0.4	1.	-1.5	1.	76	5.2	15	29	10	6	.	.	.	4	1	1	12	.	3	.	.	217	
Buchholz i. d. Nordheide	77	13.0		28.8	27.	-1.6	4.	-3.0	4.	75	5.8	46		7	4	2	.	.	3	1	.	13	.	3	1	.	226	
Teufelsmoor	6	13.8	1.6	30.3	27.	-0.2	1.	-1.2	1.	78	4.8	20	37	9	6	.	.	.	7	1	2	6	1	3	1	.		
Luneburg	11	14.1	1.3	30.0	27.	1.1	4.	-1.5	4.	73	4.9	29	54	9	5	1	.	.	1	2	5	10	1	3	.	.	220	
Oldenburg I)	5	13.6	1.0	31.0	27.	1.5	1.	-1.6	1.	73	5.4	29	57	10	8	1	.	.	1	2	3	13	1	3	.	.		
Rotenburg (Wumme)	24	14.2	1.5	30.0	27.	1.0	1.	-1.6	1.	70	4.8	36	61	10	9	1	.	.	3	1	4	10	1	3	.	.		
Friesoythe-Edewechterdamm	8	13.8	1.8	30.8	27.	2.6	3.	-0.7	1.	71	5.1	22	42	11	7	.	.	.	2	2	2	13	1	3	.	.	190	
Soltau (Wst)	77	14.1	1.7	30.8	27.	0.2	1.	-2.4	1.	72	5.5	42	71	11	9	2	.	.	3	3	1	11	1	3	.	.	221	98
Dorpen	6	13.4	1.3	30.9	27.	1.5	3.	-2.0	3.	75	5.4	26		7	5	1	.	.	4	1	1	12	1	2	.	.		
Uelzen	45	14.1	1.6	29.8	27.	-0.6	4.	-2.0	4.	74	4.3	39	75	11	6	1	.	.	1	2	9	9	.	3	1	.	213	
Luchow (Wst)	17	14.1	1.2	30.1	27.	0.6	3.	-1.0	1.	72	5.2	38	76	10	5	1	1	.	3	2	.	9	1	3	.	.	237	99
Ahlhorn (BW)	48	13.6		30.3	27.	3.2	2.	1.9	3.	71	5.4	24		13	8	.	.	.	4	4	1	11	1	2	.	.	210	
Bassum (Luftsch.-Warnamt)	53	13.7		29.0	27.	2.7	1.	1.0	1.	72	5.1	20		11	7	.	.	.	5	3	2	11	.	3	.	.		
Unterlus	98	13.8	1.5	30.8	27.	-1.4	4.	-2.9	1.	68	4.9	45	83	12	7	1	.	.	.	2	2	10	1	3	2	.		
Loningen	36	14.1	1.6	31.0	27.	3.0	3.	1.5	3.	71	6.3	33	59	9	6	1	.	.	1	3	.	15	1	2	.	.	192	
Hankensbuttel	84	13.8	1.3	31.0	27.	0.0	1. 4.	-1.6	1. 4.	73	5.1	51	96	10	7	2	.	.	1	5	2	12	2	3	.	.		
Nienburg	26	14.7	1.7	30.5	27.	3.5	2.	2.5	2. 4.	69	5.2	17	33	12	6	.	.	.	1	2	4	12	1	5	.	.	201	
Lingen (Wst)	21	14.5	1.5	30.7	27.	3.0	2.	1.6	3.	69	5.1	42	78	13	6	1	.	.	1	4	.	9	1	2	.	.	191	93
Allhausen	48	14.0	1.8	29.2	27.	4.0	2.	2.5	4.	74	4.1	28	56	5	4	1	.	.	1	2	5	9	.	2	.	.		
Hannover-Langenhagen (Flugh.)	53	14.3	1.7	30.5	27.	2.7	1.	0.2	4.	71	5.2	37	71	12	7	1	.	.	5	5	1	10	1	3	.	.	194	86
Nordhorn	24	13.4	0.6	30.2	27.	2.8	2.	1.6	2.	67	4.5	48	92	12	6	1	.	.	2	5	2	7	1	2	.	.		
Wolfsburg-Fallersleben	74	14.9		31.0	27.	1.3	1.	-0.1	1.	68	4.0	34	67	13	6	.	.	.	.	4	8	6	1	3	.	.		
Braunschweig-Volkenrode (Wst)	81	14.2	1.3	29.1	27.	1.4	4.	-1.6	4.	72	4.6	52	96	13	8	2	.	.	.	6	4	7	.	3	.	.	231	104
Osnabruck (Wst)	95	14.2	1.5	30.0	27.	3.2	2.	2.2	2.	70	5.6	34	68	11	7	.	1	.	2	3	2	14	1	2	.	.	199	90
Annaturm	395	12.4		28.8	27.	0.6	2. 3.	0.2	4.	77	5.1	43	62	14	9	.	2	.	15	3	.	11	.	2	.	.		
Helmstedt	140	14.7	1.9	27.1	14.	0.4	4.	-1.6	4.	65	5.3	30	57	14	7	1	2	1	.	5	1	12	.	3	.	.		
Hildesheim	100	14.3	1.5	29.8	27.	1.0	4.	-1.2	4.	73	4.9	73	124	12	7	2	.	.	.	4	4	12	.	3	.	.		
Hamein	64	15.0		29.9	27.	3.0	4.	1.1	4.	75	4.6	54	100	12	6	2	.	.	.	4	4	8	.	2	.	.		
Salzgitter-Ringelheim	130	14.3		29.7	27.	0.4	4.	-0.4	4.	71	4.6	73	135	12	11	2	.	.	2	7	6	10	.	4	.	.		
Bad Harzburg	260	13.7	1.4	30.1	27.	0.6	3.	-0.7	4.	72	4.9	108	157	16	11	3	2	.	.	6	4	11	1	3	.	.	197	
Hahnenklee	553	11.7	1.4	26.6	27.	-0.8	4.	-4.1	4.	80		89	101	12	12	2	3	5	6	5			.	2	2	.	223	
Schulenberg	504	11.8		26.2	27.	0.0	2. 3.	-3.7	4.	79	3.5	112		13	10	5	2	5	7	7	9	6	.	1	.	.	221	
Holzminden	128	14.2	1.3	29.4	27.	2.2	4.	-0.4	4.	65	4.8	54	95	13	5	2	.	.	1	5	3	12	.	3	.	.	186	
Einbeck	105	14.8	2.1	30.4	27.	0.5	4.	-1.0	4.	69	5.5	45	82	12	10	.	.	.	2	4	.	12	1	3	.	.	181	
Bad Grund	300	13.2		28.8	27.	-0.6	4.			73	4.0	43	54	12	9	.	1	.	1	4	8	9	.	2	1	.	209	
Clausthal	563	11.6	1.4	26.4	27.	-2.2	4.			76	4.4	96	116	12	11	4	3	6	2	5	6	9	.	2	2	.	210	101
Altenau	495	11.4		27.0	27.	-3.0	4.			84	4.0	98	123	12	10	4	2	5	6	4	8	10	.	2	3	.	217	
Holzminden Silberborn	440	12.0		26.4	27.	0.0	3.			71	4.4	91	126	14	12	3	2	2	5	4	8	10	.	2	.	.	216	
Braunlage (Wst)	607	11.4	1.5	25.3	27.	-1.0	4.	-5.3	4.	75	5.3	61	76	11	7	3	4	6	4	4	3	12	.	1	2	.	197	93
Bad Lauterberg	317	13.4		28.7	27.	-1.5	4.			71	4.6	49	68	10	9	1	.	.	1	4	3	9	.	2	1	.	206	
Gottingen (Wst)	175	14.2	1.3	30.2	27.	0.6	4.	-1.9	4.	70	5.3	52	93	11	8	1	.	.	2	4	3	11	1	3	.	.	188	88
Berlin-Dahlem (Meteorol.-Inst.)	51	15.4	1.6	30.5	14.	0.0	4.	-1.3	4.	65	4.4	32	70	9	8	1	.	.	1	6	3	7	1	5	.	.	237	99
Nordrhein-Westfalen																												
Rahden-Varl	42	14.1	1.4	30.2	27.	3.6	3.	2.8	2.	73	5.0	14	31	11	3	.	.	.	4	5	2	8	1	2	.	.		
Bad Salzuflen (Wst)	98	14.5	1.6	29.6	27.	3.1	3.	2.4	2.	70	5.2	31	55	10	8	.	.	.	3	4	2	12	.	3	.	.	203	91
Munster (Wst)	62	14.4	1.6	28.8	27.	3.6	2.	2.6	2.	73	5.0	45	88	12	7	2	.	.	3	5	3	11	.	2	.	.	208	92
Gutersloh	72	14.7		30.4	27.	3.4	2.	3.2	2. 3.	73	4.7	42	84	13	7	1	.	.	.	4	4	10	1	4	.	.		
Bocholt-Liedern (Wst)	21	13.8	1.0	29.4	27.	3.6	2.	3.5	2.	75	5.5	53	96	14	10	1	.	.	6	7	2	11	.	2	.	.	202	90
Bad Lippspringe (Wst)	157	13.8	1.2	28.8	27.	2.6	2.	0.7	4.	73	5.0	50	75	13	7	1	1	.	2	5	5	12	.	2	.	.	201	
Kleve	45	13.8	0.6	29.0	27.	3.4	2.	3.4	3.	75	6.3	66	114	13	10	3	.	.	4	5	.	18	.	2	.	.	193	
Lippstadt Bokenforde	92	13.9		28.6	27.	3.0	2.	3.0	2. 9.	73	5.0	73		11	9	2	.	.	2	4	3	12	.	2	.	.	171	
Dortmund	240	13.7	1.4	28.8	27.	2.0	2.	0.9	2.	73	6.0	42	70	14	9	1	.	.	.	6	.	15	.	2	.	.		
Borgentreich-Buhne	120	14.1	1.0	29.9	27.	3.3	3.	2.4	3.	77	4.7	74	125	10	8	3	.	.	1	4	6	10	.	2	.	.		
Essen-Bredeney (WA)	154	14.0	0.9	28.3	26.	3.5	2.	2.2	3.	73	5.5	74	104	12	10	3	.	.	7	7	3	14	.	2	.	.	197	93
Hagen-Fley	100	13.9		29.6	27.	3.8	2.	2.1	9.	77	5.1	68		15	9	2	.	.	.	6	5	14	.	2	.	.		
Brilon	472	11.9	0.8	27.5	27.	0.2	3.	0.0	3.	77	5.1	100	132	14	8	4	2	.	3	6	5	12	.	2	.	.		
Arnsberg	218	12.9	1.2	30.0	26.	1.2	2.	1.2	3.	73	5.1	99	129	15	13	3	1	.	4	6	4	12	1	2	.	.	182	
Tonsvorst	39	14.4	1.1	29.7	26.27.	3.5	2.	3.3	3.	73	5.3	67	124	13	10	1	.	.	1	.	2	12	.	2	.	.		
Eslohe	325	12.3	1.1	28.1	27.	1.6	4.	0.5	2.	75	5.1	118	162	14	11	4	1	.	4	7	8	15	.	2	.	.		

Table 6 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0 - 8	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag ≥ 0.1 mm	≥ 1.0 mm	≥ 10.0 mm	Schnee: fall ≥ 0.1 mm	decke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Wuppertal-Buchenhofen	128	14.0	1.5	28.6	26.	3.6	2.	3.5	3.	73	5.4	74	104	16	10	5	.	.	1	4	3	12	.	2	.	.	195	105
Lüdenscheid	444	12.4	0.8	27.0	26.	1.4	3.	0.5	3.	74	5.4	79	93	14	11	3	1	.	8	7	3	14	.	2	.	.		
Düsseldorf (Südfriedhof)	37	14.9	1.0	29.5	26.	3.8	2.	3.5	3.	69	5.4	66	110	14	9	3	.	.	1	5	3	16	.	3	.	.	179	86
Kahler Asten (Wst)	839	9.6	1.0	24.2	26.	-1.8	3.	-2.7	3.	79	5.6	78	87	14	10	3	4	6	14	5	3	15	.	.	3	.	178	87
Köln-Wahn (Flugh.)	73	14.4	1.0	29.4	26.	2.7	2.	2.1	3.	72	5.6	83	148	17	9	4	.	.	4	6	3	15	.	3	.	.	176	
Siegen	263	13.8	1.8	29.0	27.	2.3	3.	2.1	3.	70	5.2	91	140	16	12	4	.	.	3	8	4	15	.	3	.	.		
Aachen (Wst)	202	13.6	0.7	29.0	26.	3.1	3.	2.6	3.	74	5.5	51	76	17	11	1	.	.	4	6	2	14	.	2	.	.	164	80
Bonn-Friesdorf	62	14.9	1.3	29.6	27.	1.1	2.	3.1	2.	70	5.7	58	95	16	8	2	.	.	1	7	2	16	.	3	.	.	168	
Euskirchen	176	13.9	1.1	29.1	26.	2.3	2.	2.5	3.	74	5.8	62	105	18	9	3	.	.	7	5	2	15	.	2	.	.		
Roetgen	440	11.7	0.9	25.5	26.	1.0	2.	0.5	3.	77	5.8	90	111	19	10	1	1	.	9	3	2	15	.	2	.	.		
Sistig	505	11.4		25.5	26.	0.5	2. 3.	-0.5	3.13.	79	6.2	62		19	11	1	1	.	3	5	1	18	.	2	.	.	154	
Hessen																												
Arolsen	220	12.5	0.5	27.9	27.	1.5	4.	0.4	2.	75	5.2	67	112	12	11	2	.	.	1	5	3	11	.	2	.	.		
Witzenhausen	133	13.7	1.0	28.4	27.	0.1	4.	-1.5	4.	79	5.4	59	89	15	9	.	.	.	6	6	.	10	.	2	.	.		
Willingen/Upland	580	10.7	0.9	26.0	27.	0.0	3.	-0.2	4.	75	5.8	76	88	15	11	2	3	1	2	5	3	15	.	2	.	.	177	86
Kassel (Wst)	231	14.0	1.4	28.5	27.	1.8	2.	0.0	2.	70	5.2	81	131	15	10	3	.	.	1	6	4	13	.	2	.	.	199	
Wahlleck	376	13.1	1.1	26.4	27.	1.8	3.	0.4	3.	69	5.4	76	143	11	10	2	.	.	.	2	.	8	.	1	.	.		
Eschwege	205	14.0	1.3	29.0	27.	-0.3	4.	-2.7	4.	72	5.2	51	96	14	11	.	.	.	5	3	2	10	.	3	1	.		
Melsungen	190	13.4	0.5	28.9	27.	1.5	4.	0.6	4.	71	5.5	118	193	17	10	4	.	.	2	5	.	13	.	2	.	.		
Frankenberg/Eder	290	12.4	0.5	27.3	27.	2.4	2.	-0.5	2.	78	4.8	41		11	6	1	.	.	1	3	4	9	.	2	.	.		
Biedenkopf 1)	290	13.1	1.0	27.7	27.	2.3	2.	0.5	2.	71	5.2	72	138	16	6	3	.	.	1	4	3	13	.	2	.	.	172	
Neukirchen-Hauptschwenda 1)	500	12.3	1.8	27.4	27.	0.4	3.	0.0	3.	74	5.1	112	165	17	13	3	2	1	6	5	6	12	.	2	.	.	173	
Bad Hersfeld (Wst)	212	14.2	1.7	29.7	27.	1.9	4.	0.2	4.	72	5.3	92	156	16	11	3	.	.	3	8	4	14	.	3	.	.	176	81
Marburg 1)	195	14.3	0.9	29.6	26.	2.7	3.	0.3	2.	68	5.2	43	83	12	8	1	.	.	.	5	3	13	.	3	.	.	171	
Dillenburg	266	12.6	0.2	27.5	27.	1.5	3.	1.0	2.	74	5.2	75	129	12	10	2	.	.	.	5	4	13	.	2	.	.		
Wartenberg-Angersbach	276	13.0	0.8	28.5	27.	1.0	3.	0.2	3.	74	6.1	93	163	17	10	2	1	.	1	6	1	17	.	2	.	.		
Gießen (Liebigshöhe, Wst)	186	14.3	0.8	28.4	27.	3.1	3.	1.0	5.	72	5.5	61	120	12	9	2	.	.	2	6	2	13	.	3	.	.	189	83
Fulda	255	13.1	1.0	28.5	26.27.	1.8	4.	-2.0	4.	73	5.4	73	135	13	10	1	.	.	2	6	3	15	.	4	.	.	166	76
Schotten	315	13.5	0.6	27.9	27.	1.5	3.	1.0	3.	71	5.1	108	154	15	12	4	.	.	2	4	3	12	.	3	.	.	132	62
Wasserkuppe (Wst)	921	9.5	1.0	23.7	27.	-2.4	3.	-5.6	4.	79	5.3	107	123	17	14	4	4	3	14	6	1	12	.	.	3	.	198	91
Grebenhain-Herchenhain	608	11.5	0.9	24.7	27.	-0.5	3.	-0.2	3.	78	5.2	119	157	18	12	3	3	1	8	7	2	14	.	.	1	.		
Limburg/Lahn	118	14.3	1.3	30.1	27.	3.4	4.	2.0	3. 6.	70	4.8	49	88	16	11	2	.	.	.	4	4	10	1	3	.	.	160	
Bad Nauheim	160	14.0	0.4	28.5	26.27.	2.9	3.	2.2	6.	73	4.6	72	141	14	11	2	.	.	.	8	2	8	.	3	.	.		
Mittel-Grundau	155	14.7		29.8	27.	2.6	4.	2.4	4.	74	4.9	68		18	11	2	.	.	1	6	5	11	.	4	.	.	197	
Kl. Feldberg/Ts. (Wst)	805	10.3	0.9	23.7	27.	-1.4	3.	-2.1	4.	78	5.4	84	122	16	13	1	3	2	18	9	2	13	.	.	2	.	162	76
Offenbach a. M. (Stadt)	110	15.4	1.0	29.6	27.	3.5	3.	0.0	4.	67	5.0	69	138	15	7	3	.	.	.	5	5	11	.	3	.	.	185	80
Wiesbaden (Süd)	145	14.7	0.6	28.8	27.	2.8	4.	-1.0	4.	75	5.0	79	152	16	11	2	.	.	.	5	2	10	.	3	.	.		
Frankfurt a. M. (Flugh.)	112	15.0	1.2	28.5	26.27.	0.1	4.	-0.7	4.	68	4.9	64	119	15	7	3	.	.	.	8	1	8	.	4	.	.	189	82
Geisenheim (AMBF)	118	14.7	0.5	28.6	27.	3.5	4.	1.4	4.	68	5.1	56	104	15	9	1	.	.	.	7	3	10	.	3	.	.	180	77
Darmstadt (Wst)	108	15.1	0.5	29.3	26.	2.9	4.	-3.0	4.	68	5.3	94	184	14	9	5	.	.	1	7	2	10	.	4	.	.	190	78
Lindenfels-Winterkasten	445	12.7		26.7	26.	1.2	4.	0.1	3.	78	5.2	142		16	11	6	2	.	8	1	5	11	.	2	.	.		
Beerfelden	450	12.8	0.7	26.2	27.	0.7	3.	-0.6	4.	72	6.4	185	261	19	13	7	1	.	4	8	.	20	.	2	.	.	167	74
Saarland																												
Weiskirchen/Saar	368	13.0		26.7	26.	2.6	3.	0.6	3.	71	5.5	65		18	14	1	.	.	2	5	1	14	.	2	.	.		
Nennig	153	14.2	0.6	28.6	26.	3.8	3.	2.7	3.	73	6.1	44	67	18	10	1	.	.	1	6	1	17	.	3	.	.		
Sankt Wendel-Leitersweiler	420	13.0		26.2	26.	1.5	3.	-0.5	4.	82	5.4	83		12	11	3	.	.	4	3	2	14	.	1	.	.		
Tholey (Wst)	396	12.8		25.8	26.	2.0	3.	0.1	3.	74	5.4	83		15	10	2	.	.	3	8	3	13	.	1	.	.	155	
Hüttersdorf	223	13.3	0.2	27.6	26.	3.0	3.	1.0	3.	78	5.3	67	114	12	10	1	.	.	.	4	3	12	.	3	.	.		
Neunkirchen-Wellesweiler	236	14.7		29.1	26.	0.2	4.	0.2	4.	73	3.9	64	97	16	9	3	.	.	3	3	4	4	.	3	.	.		
Homburg/Saar	225	13.4	0.3	28.2	26.	-1.5	4.	-3.0	4.	73	5.2	81	123	13	9	4	.	.	5	5	2	10	.	3	1	.		
Berus (Wst)	363	13.3	0.5	25.8	26.	2.2	3.	1.7	3. 4.	79	5.6	62	98	17	12	2	.	.	3	3	3	13	.	2	.	.	160	63
Völklingen (KW-Fenne)	187	15.1		31.0	25.	3.6	4.			81	5.3	36		13	9	1	1	.	.	.	1	9	2	6	.	.		
Saarbrücken-St. Johann	193	14.7	1.1	29.0	26.	1.2	4.	-2.2	4.	70	5.5	53	91	13	9	1	.	.	2	1	2	15	.	3	.	.	175	71
Saarbrücken-Ensheim (Flugh.)	323	13.4	0.3	26.2	26.	2.0	4.	-2.8	4.	73	5.7	60	102	12	9	1	.	.	.	5	.	11	.	2	.	.	154	63

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rheinland-Pfalz																												
Hilgenroth	290	13.6	1.4	28.4	26.	1.8	2. 3.	0.4	3.	75	5.3	92	137	11	11	6	1	.	4	3	3	12	.	3	.	.	179	81
Bad Marienberg (Wst)	547	11.6	1.2	25.4	27.	-0.3	2. 3.	-0.3	3.	78	5.4	99	138	14	12	5	2	1	10	5	3	14	.	1	2	.	142	
Bad Neuenahr-Ahrweiler	111	14.4	1.5	30.0	27.	3.0	3.	2.8	3.	78	5.4	61	103	11	11	2	.	.	3	1	.	12	1	5	.	.		
Neuwied Wollendorf	121	14.7		29.6	26.	3.5	3.	2.8	3.	70	5.3	58	83	12	9	2	.	.	1	3	4	14	.	4	.	.		
Niederelbert	250	13.6		29.2	26.	2.3	4.	0.0	6.	73	5.2	55	75	15	11	1	.	.	.	6	4	14	.	5	.	.		
Koblenz (Süd)	72	15.1	0.9	29.1	27.	4.1	3.	3.1	3.	73	6.1	71	134	14	11	1	.	.	.	1	.	14	.	4	.	.		
Sinzig (Wst)	627	11.1	0.6	24.9	26.	-0.2	3.	-0.2	3.	77	5.9	50	70	19	12	4	3	1	15	9	.	15	.	.	1	.	145	
Mayen	270	15.0	2.0	30.7	26.	2.9	3. 7.	2.0	3.	71	5.7	77	151	19	14	3	.	.	.	1	1	16	1	5	.	.		
Bad Ems	77	15.4	1.8	30.9	27.	4.8	4.	4.0	4.	73	5.3	64	110	11	11	.	.	.	3	2	4	13	1	8	.	.		
Schmelzerhofhaus	657	10.3	0.4	25.2	26.	-0.1	2. 3.	-0.9	3.	81	5.5	69	92	19	11	4	2	1	17	1	2	14	.	1	2	.		
Weitersten	530	11.1	0.2	25.7	26.	0.6	2. 3.	0.0	3. 5.	80	6.1	34	47	17	10	.	1	.	6	7	2	16	.	1	.	.	139	
Manderscheid Eifel	403	12.5	0.7	27.2	26.	1.3	3.	0.4	2.	80	5.6	32	51	17	11	.	1	.	2	4	2	15	.	1	.	.	154	
Blankenrath	400	12.9	1.1	27.4	26.	1.1	3.	0.3	3.	76	5.5	50	79	10	8	1	.	.	4	1	2	15	.	2	.	.		
Simmern Wahlbach	440	12.0	0.2	25.3	27.	0.5	3.	0.0	3.	76	5.6	60	94	14	11	3	2	.	1	3	2	15	.	1	.	.		
Mainz	125	15.2	0.6	29.6	27.	3.5	4.	0.2	4.	59	5.1	64	133	16	10	4	.	.	.	3	4	11	.	3	.	.		
Bernkastel	120	14.7	0.7	29.7	26.	4.7	3.	3.0	2.	70	5.8	22	38	15	9	.	.	.	.	5	1	15	.	3	.	.	131	63
Bad Kreuznach	159	14.7	0.7	28.5	27.	3.9	4.	1.9	24.	70	5.4	65	130	16	8	3	.	.	.	1	1	11	.	3	.	.	153	66
Herrstein	345	12.1	0.3	27.2	26.	2.3	6.	1.3	3.	77	5.3	51	94	16	10	2	.	.	.	2	2	8	.	2	.	.		
Deuselbach (Wst)	480	12.3	0.7	25.5	26.	1.4	3.	-0.4	3.	74	5.8	35	51	19	12	.	1	.	2	4	1	13	.	1	.	.	146	62
Trier (Stadt)	144	14.3	0.5	28.7	26.	4.6	3.	2.4	3. 6.	74	5.1	46	75	18	10	1	.	.	2	3	4	10	.	3	.	.	138	
Trier-Petrisberg (WA)	265	13.4	0.3	29.3	26.	3.1	3.	1.8	3.	75	6.0	55	89	19	10	1	.	.	7	9	1	16	.	3	.	.	163	75
Alzey	166	14.6	1.0	29.3	27.	0.2	4.	-1.0	4.	75	5.2	63	140	14	9	2	.	.	1	5	3	10	.	3	.	.	180	79
Birkenfeld-Feckweiler	395	12.3	0.7	27.6	26.	1.0	24.	-0.6	24.	74	5.3	61	105	13	10	1	.	.	.	5	3	13	.	3	.	.		
Ruppertsecken	488	12.8		25.3	26.	1.0	3.	0.5	4.	65	4.3	82	137	11	7	5	1	1	1	1	7	8	.	2	.	.		
Kaiserslautern	248	13.9	0.0	28.5	26.	0.4	4.	-0.2	4.	72	6.4	74	128	12	9	3	.	.	.	1	.	18	.	3	.	.	141	
Weinbiet (Wst)	553	12.5	0.7	27.3	26.	0.4	3.	-1.9	4.	72	5.2	65		14	9	3	2	.	9	6	2	7	.	2	.	.	174	80
Neustadt/Wstr. (Heidehof)	125	15.1	1.0	28.8	27.	0.0	4.	-3.2	4.	70	5.5	52	106	15	10	1	.	.	.	7	2	11	.	3	.	.	181	
Pirmasens	280	12.3		28.5	26.	-2.4	4.	-4.5	4.	79	5.5	87	140	17	9	4	.	.	4	5	1	13	.	3	1	.		
Bad Bergzabern 1)	180	14.7	0.5	28.5	27.	3.5	2.	1.2	4.	73	5.5	60	91	12	10	1	.	.	.	3	.	8	.	3	.	.	169	
Baden-Württemberg																												
Wertheim-Eichel	140	14.9	1.6	30.2	26.27.	0.8	4.	-0.5	4.	70	4.3	120	214	14	13	3	.	.	3	4	.	5	2	7	.	.		
Landa-Kongshofen-Gerlachsheim	199	14.5		29.4	27.	-1.1	4.	-2.7	4.	70	5.0	94	159	15	13	2	.	.	2	5	3	7	.	5	1	.		
Mannheim (Wewa)	96	15.3	0.7	29.9	27.	1.2	4.	-2.1	4.	72	5.4	107	195	15	13	3	.	.	2	6	2	11	.	3	.	.	185	74
Buchen, Kr. Neckar-Odw.	350	13.3	0.9	28.2	27.	-1.3	4.	-2.1	4.	72	5.7	95	164	17	12	4	.	.	.	6	3	16	.	2	1	.	175	74
Bad Mergentheim Neunkirchen	250	13.7	0.8	28.8	27.	-2.0	4.	-3.1	4.	74	5.3	71	115	15	11	2	.	.	2	2	3	13	.	3	1	.		
Eberbach/Neckar	176	13.8	0.7	28.3	26.	0.0	4.	-2.6	4.	71	5.7	132	200	16	15	6	.	.	.	2	3	16	.	4	.	.		
Heidelberg 1)	111	15.8	0.8	29.5	26.	3.1	3.	3.0	3.	66	5.2	101	138	19	11	3	.	.	.	5	4	14	.	3	.	.	160	68
Neudenau	210	14.7	1.1	30.3	27.	0.5	4.	-2.0	4.	77	4.6	132	194	17	14	6	.	.	.	4	3	4	1	4	.	.		
Ingelfingen	209	14.3	1.4	30.0	27.	-0.6	4.	-1.4	4.	71	5.0	177	260	15	13	6	.	.	3	5	2	7	1	4	1	.		
Philippsburg (Kernkraftwerk)	100	15.2	0.8	29.0	26.	1.0	4.	-0.1	3.	72	5.1	78	113	12	8	3	.	.	.	.	2	7	.	3	.	.		
Öhringen (Wst)	276	14.0	0.6	28.4	26.27.	-0.7	4.	-3.5	4.	75	5.2	171	248	19	13	7	.	.	.	5	3	10	.	3	1	.	184	77
Heilbronn	167	15.0	0.4	29.1	27.	0.2	4.	-1.0	4.	71	4.8	125	176	18	12	4	.	.	.	7	4	10	.	6	.	.		
Eppingen	210	14.0	0.9	27.8	26.	-0.2	4.	-2.8	4.	74	4.8	160	250	19	12	6	.	.	1	6	4	9	.	3	1	.		
Crailsheim	418	13.2	0.8	29.2	27.	-3.1	4.	-3.4	4.	71	5.6	156	236	16	15	6	1	.	1	5	.	13	.	3	1	.		
Schwäbisch Hall-Teurershof	379	13.3		28.0	27.	-1.8	4.	-3.1	4.	79	5.8	176		19	14	8	.	.	2	5	1	14	.	2	1	.	188	
Karlsruhe (Wst)	112	14.6	0.2	29.2	26.	-0.3	4.	-2.4	4.	73	5.5	98	148	19	12	4	.	.	1	8	3	13	.	3	1	.	123	78
Rheinstetten-Forchheim	116	15.0	1.0	31.1	26.	-1.0	4.	-3.5	4.	74	6.2	115	169	16	13	4	.	.	3	3	1	13	1	5	1	.	173	73
Murrhardt	344	12.7	0.4	28.2	27.	-1.8	4.	-2.5	4.	75	5.1	279	340	13	17	8	.	.	.	5	4	13	.	4	1	.		
Ellwangen/Jagst	443	12.7	0.8	28.6	27.	-2.6	4.	-2.8	4.	78	5.4	113	149	15	15	5	2	.	.	.	3	13	.	3	1	.	156	71
Oschwend, Kr. Ostalb	492	12.3	0.3	28.0	27.	-3.0	24.	-4.6	4.	78	5.7	176	220	16	16	8	1	.	3	6	3	15	.	2	1	.		
Pforzheim	245	13.1	0.3	27.5	26.	-0.8	4.	-2.6	4.	77	5.4	135	185	17	15	5	.	.	.	4	2	11	.	3	1	.	170	

Table 6 ctd.

Station	Höhe über NN m	Lufttemperatur in °C: Mittel	Abweichung °)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit: in %	Bewölkung 0 bis 8	Niederschlag: Höhe in mm	in % °)	Zahl der Tage: Niederschlag 0.1 mm	1.0 mm	10.0 mm	Schneefall 0.1 mm	Schneedecke 7 0 cm	Nebel	Gewitter	Heitere	Trübe	Heiße Tage	Sommertage	Frosttage	Eistage	Summe Sonnenscheindauer in Std	in % °)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Stuttgart (Schnarrnberg, WA)	314	14.2	0.6	27.9	26.	0.4	4.	-1.8	4.	71	5.6	140	194	18	14	7	.	.	1	10	.	13	.	3	.	.	182	
Bad Herrenalb	351	12.4	0.7	27.0	26.	-1.1	4.	-3.7	4.	78	5.9	203	183	18	14	8	.	.	9	5	2	14	.	3	1	.	119	
Dobel	717	11.1	0.3	24.6	26.	-0.3	3.	-2.1	4.	77	5.7	218	154	18	17	6	3	2	6	3	.	12	.	.	1	.	150	
Schömberg, Kr. Calw	633	11.1	0.1	25.5	26.	-1.2	4.	-2.5	4.	77	5.8	143	157	18	16	5	2	.	6	3	3	15	.	1	1	.	156	67
Schwäbisch Gmünd-Straßdorf	415	13.2	0.4	28.2	27.	-1.4	4.	-2.7	4.	74	5.5	164	198	15	15	6	.	.	.	8	2	13	.	3	1	.		
Baden-Baden	218	13.7	0.2	28.0	26.	-0.6	4.	-1.2	4.	74	5.1	158	178	14	14	6	.	.	1	2	4	9	.	3	1	.		
Wildbad (Stadt)	417	11.9	0.0	27.9	26.	-2.4	4.	-3.9	4.	76	5.2	155	161	19	17	6	1	.	.	5	3	9	.	3	1	.		
Wildbad-Sommerberg	740	10.9	-0.1	25.6	26.	-0.2	3.	-1.4	4.	77	5.7	175	177	19	17	6	3	2	7	3	2	12	.	1	1	.	167	
Buhlertal	190	14.5	0.0	29.8	26.	1.8	4.	-1.4	4.	70	5.0	158	158	14	14	6	.	.	1	5	3	8	.	3	.	.		
Rheinau-Freistett	131	14.2	0.5	29.1	26.	-0.7	4.	-3.9	4.	81	5.7	153		13	12	5	.	.	2	9	2	13	.	3	1	.	163	
Enzklösterle 1)	606	10.2		25.1	26.	-2.3	4.	-2.3	4.	80	5.6	128	123	19	18	4	3	2	5	3	2	13	.	1	1	.	123	
Stötten (Wst)	734	11.3	0.6	25.1	27.	-0.6	3.	-4.6	4.	79	5.5	154	160	18	16	6	3	2	14	10	2	14	.	1	3	.	191	91
Heidenheim/Brenz	500	12.2	0.0	27.2	27.	-4.2	4.	-5.4	4.	80	5.5	139	196	16	15	6	3	.	2	6	4	14	.	2	1	.	151	
Nurtingen-Oberensingen	280	13.7	0.6	30.0	26.	-2.0	4.	-5.2	4.	75	5.4	141		22	16	5	.	.	2	10	3	13	1	3	1	.		
Hornisgrinde Herrenberg	1122	8.0	0.0	20.1	26.	-2.5	3.	-2.5	4.	87	6.2	183	115	18	15	9	3	7	16	7	1	17	.	.	3	.	154	
Nagold	392	12.2	-0.1	28.5	26.	-2.3	4.	-4.0	4.	81	4.9	94	134	18	15	3	1	.	.	4	4	10	.	3	1	.		
Lenningen-Schopfloch	758	11.5	0.7	24.1	26.	-1.0	3.	-2.0	4.	74	5.7	146	147	16	16	6	3	1	7	5	2	14	.	.	2	.		
Laichingen	747	11.4	0.7	24.0	27.	-1.0	4.	-3.0	4.	74	5.3	131	160	19	16	4	3	2	2	6	4	12	.	.	2	.	181	
Rottenburg	342	12.7		26.8	26.	-2.8	4.	-5.1	4.	79	5.9	121		19	16	3	.	.	2	6	.	15	.	2	1	.	176	
Offenburg	155	14.2	0.0	27.5	26.	1.0	4.	-1.9	4.	75	5.9	118	155	16	14	3	.	.	1	6	3	18	.	3	.	.		
Freudenstadt (Wst)	797	10.2	0.1	23.9	26.	-2.0	4.	-5.0	4.	79	5.7	151	151	18	14	5	3	3	3	8	1	13	.	.	2	.	170	78
Gengenbach	185	13.5	-0.5	28.0	26.	0.4	4.	-2.6	4.	78	5.7	159	187	19	16	5	.	.	1	6	3	13	.	4	.	.		
Münsingen	721	11.7	1.1	26.1	27.	-2.8	4.	-5.1	4.	75	5.7	126	142	17	14	7	3	.	.	8	1	10	.	2	2	.		
Hechingen	520	12.0	-0.2	25.5	26.	-3.1	4.	-4.3	4.	77	5.5	158	180	21	13	4	2	.	2	10	2	11	.	1	1	.		
Ulm (Wst)	522	13.2	1.1	28.0	27.	-1.4	4.	-4.1	4.	74	5.5	124	161	18	16	5	2	.	2	8	2	12	.	2	1	.	195	88
Lahr/Schw.	158	14.6	0.4	27.6	26.	0.9	4.	-2.2	4.	75	6.0	112	156	17	15	4	.	.	3	10	2	17	.	3	.	.	164	
Wolfach	265	13.3	0.0	30.1	26.	1.7	4.	0.2	4.	78	6.0	151	180	17	16	8	.	.	8	5	1	17	1	4	.	.	135	
Albstadt-Ebingen	712	10.8		24.0	26.	-3.0	4.	-6.1	4.	71	5.6	177	206	21	15	8	3	.	2	6	1	13	.	.	1	.		
Freiamt-Ottoschwanden	442	12.8		25.9	26.	1.5	4.	-1.2	4.	77	5.5	128	152	21	16	6	.	.	6	10	3	14	.	1	.	.	159	
Rottweil	585	11.4	-0.3	25.7	26.	-3.8	4.	-5.0	4.	80	5.9	155	218	19	17	5	2	.	12	4	2	17	.	1	1	.	161	
Emmendingen-Mundingen	201	13.5		27.0	26.	-1.3	4.	-3.3	4.	80	5.9	151	210	20	15	6	.	.	1	7	3	13	.	3	1	.		
Schonach	904	9.6		21.5	26.27.	-1.2	3.			83	6.0	110		17	15	4	3	5	2	5	.	14	.	.	3	.	131	
Triberg	683	10.9	-0.1	24.7	26.	-1.6	4.	-6.0	4.	78	5.5	138	135	16	16	4	3	1	.	6	2	11	.	.	1	.		
Königsfeld/Schw.	767	10.6	0.1	25.8	26.	-3.4	4.			83	5.4	107	126	19	16	4	3	1	.	4	3	12	.	1	2	.	136	67
Biberach/Riß	534	13.1	1.2	28.0	27.	-1.2	4.	-3.2	4.	73	5.8	130	146	16	12	7	.	.	2	7	3	16	.	2	1	.		
Schönwald/Schw. 1)	1031	9.1		22.5	26.	-2.0	4.			84	5.9	170		16	15	8	2	4	2	2	2	13	.	.	3	.	125	
Klippeneck (Wst)	973	9.8	0.0	23.2	26.	-1.6	3.	-2.7	4.	80	5.7	142	173	20	17	5	3	2	16	10	2	12	.	.	3	.	165	73
Oberrotweil 1)	223	14.3	0.2	28.5	26.	-0.3	4.	-2.6	4.	77	5.6	132	203	18	13	5	.	.	3	6	2	14	.	3	1	.	156	
Sigmaringen	650	12.2	0.4	26.0	27.	-2.5	4.	-5.9	4.	74	5.7	103	134	19	13	4	3	.	.	6	3	14	.	2	1	.		
Lilienthal bei Ihringen	284	12.8	-0.3	27.5	26.	-0.9	4.	-2.1	4.	79	5.6	147	193	18	17	6	.	.	2	5	2	15	.	3	1	.	135	
Villingen	698	10.8	0.1	25.6	26.	-4.2	4.	-7.5	4.	80	5.9	105	135	18	12	6	3	.	5	2	3	18	.	1	2	.		
Freiburg i. Br.-Herdern	255	13.9	-0.6	27.7	26.	0.1	4.	-4.9	4.	78	6.0	146	172	19	17	5	.	.	5	6	3	17	.	3	.	.		
Sankt Mergen	900	10.0	-0.2	22.4	26.	-1.0	4.			81	5.8	168		19	17	7	3	3	13	10	2	15	.	.	3	.		
Bad Dürrheim	718	10.8	0.5	24.4	26.	-3.2	4.			78	5.8	110	147	17	12	4	2	.	1	5	2	16	.	.	1	.	140	
Freiburg i. Br. (WA)	269	14.4	-0.2	28.5	26.	1.8	4.	-1.3	4.	70	6.1	147	193	19	17	5	.	.	2	10	3	18	.	3	.	.	145	
Mengen i. Br.	215	14.3	0.5	29.5	26.	0.3	4.	-0.8	4.	77	6.3	152	238	18	15	5	.	.	1	8	1	18	.	3	.	.		
Aulendorf	571	12.6	1.0	27.0	27.	-1.8	4.	-4.0	4.	75	6.0	138	160	16	15	5	2	.	3	8	1	15	.	2	1	.	192	89
Donaueschingen 1)	677	11.3	0.5	25.4	26.	-3.8	4.	-4.8	4.	80	5.9	135	193	16	11	5	2	.	3	5	3	15	.	1	1	.	156	
Titisee-Neustadt 1)	835	9.7	-0.1	23.5	27.	-4.3	4.	-4.0	4.	81	6.0	124	129	17	13	4	3	1	3	7	1	13	.	.	3	.	144	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Friedenweiler	924	9.8		24.0	27.	-3.0	4.			78	5.2	89		16	13	2	3	1	1	4	2	8	.	.	2	.	124	
Pfullendorf-Brunnhausen	638	10.7	-0.5	24.9	26.	-5.9	4.	-6.5	4.	77	6.3	106	122	18	13	4	.	.	2	4	3	20	.	.	2	.		
Bremgarten (BW)	212	13.8		29.0	26.27.	-0.4	4.	-2.1	4.	74	5.7	109	168	17	14	2	.	.	4	9	1	12	.	4	1	.	143	
Hintertzarten	883	9.1	-0.3	23.1	26.	-6.0	4.			87	5.6	153	153	20	17	6	3	2	3	6	2	11	.	.	5	.	136	
Obermunstertal	545	11.6		25.9	27.	-0.9	4.			80	6.3	218	214	24	15	9	.	.	5	8	1	19	.	1	1	.	100	
Feldberg/Schw. (Wst)	1486	5.9	0.1	16.8	26.27.	-4.6	3.	-12.2	4.	87	6.4	207	163	22	19	10	5	11	24	7	1	19	.	.	4	1	123	63
Lenzkirch	818	10.1	0.3	24.1	26.	-4.3	4.			80	5.6	99	110	16	16	4	3	.	4	7	2	13	.	.	2	.	143	74
Aach, Kr. Konstanz	478	13.2	0.5	28.0	27.	-2.2	4.	-5.0	4.	76	5.6	85	109	16	13	3	.	.	.	6	2	12	.	3	1	.		
Stockach	475	12.8		27.1	27.	-1.3	4.	-2.7	4.	76	5.5	105	130	15	11	4	.	.	4	3	3	11	.	3	1	.		
Menzenschwand																												
Schluchsee	963	9.3	0.3	23.7	26.	-3.6	4.			86	5.7	132	133	18	16	5	3	1	.	8	2	15	.	.	2	.	142	
Badenweiler	412	13.0	-0.3	28.2	26.	-0.2	4.	-1.2	4.	77	5.9	115	131	18	16	3	.	.	7	5	2	15	.	3	1	.	137	
Ravensburg II	435	13.6	0.8	28.3	27.	-1.9	4.	-3.7	4.	80	5.7	160	158	15	15	5	1	.	.	8	3	14	.	3	1	.	202	90
Friedrichshem	852	9.7	-0.6	22.5	26.	-1.8	4.	-2.4	4.	82	5.6	222	179	17	17	7	2	1	13	5	3	12	.	.	2	.		
Sankt Blasien II																												
Hochenschwand	1008	9.7	0.0	22.0	26.	-1.4	3.	-3.5	4.	72	5.5	118	117	13	11	4	1	1	4	5	2	12	.	.	3	.	165	
Radolfzell	400	13.7	0.1	29.2	27.	-0.8	4.			73	5.4	94	127	16	13	4	.	.	.	3	4	15	.	4	1	.		
Isny	691	11.9	0.9	27.0	27.	-4.2	4.	-4.6	4.	76	5.6	219	139	16	15	7	2	1	3	5	3	13	.	2	1	.	188	
Konstanz (Wewa)	443	13.8	0.6	28.0	26.	-0.2	4.	-2.2	4.	71	5.4	90	114	15	11	2	.	.	1	8	4	14	.	3	1	.	197	89
Wutoschingen	383	13.5	0.7	28.6	26.	-0.6	4.	-1.6	4.	73	5.4	60	80	16	12	2	.	.	.	3	3	11	.	4	1	.		
Schopfheim	400	12.6	-0.2	28.8	26.	-1.2	4.	-1.9	4.	77	5.7	132	139	16	13	5	.	.	6	7	4	16	.	4	1	.		
Lenzkirch-Wolfzennen	408	14.1		28.5	27.	-1.7	4.	-5.6	4.	76	6.1	157	165	15	15	5	.	.	.	2	.	16	.	4	1	.	194	
Emeldingen	264	13.5		28.0	26.	-1.0	4.	-3.1	4.	78	5.6	83	117	14	12	2	.	.	3	6	2	13	.	3	1	.		
Waldshut	330	13.5	0.0	28.4	26.	-1.0	4.	-2.4	4.	7	5.3	84	106	16	12	3	.	.	.	2	3	11	.	4	1	.		
Jungholz (Kühmoos)	728	10.6		24.5	26.	-3.8	4.			76	5.7	152	175	17	14	6	1	.	16	3	3	13	.	.	2	.		
Rheinfelden	287	13.8	-0.2	30.0	26.	-0.9	4.	-1.9	4.	72	5.8	161	206	17	14	7	.	.	.	6	2	15	1	4	1	.	147	
Bad Säckingen	355	13.1		28.2	26.	-0.6	4.			74	5.5	126	168	15	13	5	.	.	4	2	3	13	.	3	1	.	148	
Bayern																												
Ostheim/Rhön	315	14.2		29.1	26.	-0.9	4.	-2.5	4.	71	5.9	50	104	13	8	2	.	.	.	.	.	16	.	4	1	.		
Teuschnitz-Wickendorf	560	12.2	1.0	26.6	27.	-4.0	4.	-6.6	4.	74	5.3	65	93	11	10	2	2	1	3	.	.	10	.	2	3	.		
Langenleiten																												
Hof-Hohensaas (Wst)	567	12.0	1.5	26.5	27.	-2.9	4.	-5.6	4.	74	5.1	62	102	13	9	2	2	.	5	4	3	11	.	1	1	.	184	87
Coburg (Wst)	337	14.3	1.4	29.2	27.	-1.0	4.	-3.2	4.	66	5.2	68	106	14	8	4	.	.	.	6	3	12	.	4	1	.	216	92
Kronach	305	14.7	2.3	29.5	27.	-0.6	4.	-1.1	4.	65	5.6	55	87	13	8	2	.	.	1	3	2	13	.	4	1	.		
Bad Kissingen (Wst)	262	14.3	1.2	29.2	27.	0.2	4.	-2.7	4.	68	5.3	75	144	15	10	1	.	.	2	4	3	13	.	5	.	.	206	92
Selb/Ofr. I	583	11.9	1.0	25.2	27.	-3.0	4.	-3.5	4.	74	4.2	73	118	8	8	2	2	.	3	3	3	4	.	1	1	.	175	85
Oelschnitz	553	12.1	1.2	27.2	27.	-3.6	4.	-4.9	4.	74	4.8	77	91	13	11	2	2	.	1	3	1	7	.	3	1	.		
Kahl/Main	110	14.6	0.5	29.0	26.	2.9	4.	1.2	6.	71	5.5	86	148	17	10	4	.	.	.	6	2	12	.	5	.	.		
Schweinfurt	240	14.8	1.3	29.7	27.	-1.1	4.	-2.2	4.	68	5.1	35	74	14	7	1	.	.	.	4	5	12	.	5	1	.		
Steinbach b. Lohr/Main	161	13.9	1.0	29.1	27.	-0.6	4.	-0.9	4.	75	5.2	89	178	16	14	2	.	.	1	5	2	9	.	4	1	.		
Fichtelberg/Ofr.	705	11.3	0.6	25.7	27.	-2.5	4.	-3.1	4.	74	5.4	83	102	14	9	4	3	2	4	4	2	11	.	1	2	.		
Bayreuth	330	13.6	1.2	28.6	27.	-0.6	4.	-0.8	4.	74	4.8	78	118	15	12	4	.	.	2	3	3	5	.	4	1	.	184	84
Bamberg (Wst)	239	14.7	1.5	29.1	27.	-1.3	4.	-0.1	4.	68	5.2	102	170	13	9	3	.	.	2	5	2	10	.	4	1	.	204	94
Tirschenreuth	515	12.6	0.8	26.5	27.	-2.8	4.	-4.0	4.	71	5.8	75	129	13	12	2	1	1	4	3	1	16	.	3	1	.		
Würzburg (Wewa)	268	14.5	1.0	28.8	27.	-0.1	4.	-2.4	4.	68	5.2	94	168	16	11	2	.	.	1	7	2	11	.	4	1	.	178	75
Gerbrunn	450	13.0	1.2	28.0	27.	-2.0	4.	-3.0	4.	68	4.5	61	87	14	11	2	.	.	1	3	6	11	.	5	1	.		
Altglashütte	750	11.3	1.2	25.0	27.	-2.9	4.	-7.1	4.	76	5.4	85	91	12	11	3	3	3	7	1	4	12	.	1	2	.		
Miltenberg	127	14.0		28.8	27.	0.8	4.	-1.5	4.	75	5.6	124	214	16	12	6	.	.	2	4	1	13	.	4	.	.		
Weiden/Opf. (Wst)	438	13.3	1.0	27.6	27.	-2.0	4.	-4.1	4.	76	5.3	68	117	13	11	1	1	.	1	4	1	10	.	3	1	.	187	82
Erlangen	270	14.1	1.2	28.5	27.	-1.6	4.	-2.7	4.	70	5.1	87	136	15	10	2	.	.	.	4	2	9	.	5	1	.	186	91
Neustadt/Aisch	333	13.8	1.0	28.1	27.	-1.5	4.	-1.9	4.	73	5.3	101	171	13	10	3	.	.	1	3	2	8	.	3	1	.		
Uffenheim	340	13.9	1.3	28.6	27.	-0.6	4.	-3.9	4.	68	5.1	76	133	14	10	3	.	.	.	6	3	10	.	5	1	.		

AD-A171 697 GENERICALLY BASED MOBILITY-TERRAIN DATA BASES(U) 3/3
BATTELLE-INSTITUT E V FRANKFURT AM MAIN (GERMANY F R)
P JESSL ET AL. MAR 86 BLEV-R-66.069-1 DAJA45-84-C-0039
UNCLASSIFIED F/G 8/6 NL

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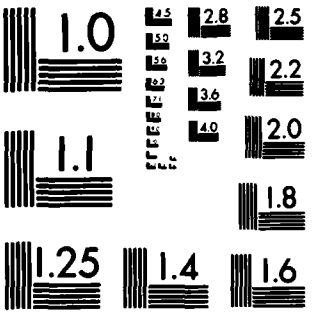


Table 6 ctd.

Station	Höhe über NN m	Lufttemperatur in °C Mittel	Abweichung *)	höchste	Datum	tiefste	Datum	tiefste am Erdboden	Datum	Luftfeuchtigkeit in %	Bewölkung 0-8	Niederschlag Höhe in mm	in % *)	Zahl der Tage: Niederschlag ≥ 0.1 mm	≥ 1.0 mm	≥ 10.0 mm	Schnee fall ≥ 0.1 mm	Schneedecke ≥ 0 cm	Nebel	Gewitter	heitere	trübe	heiße Tage	Sommertage	Frosttage	Eistage	Sonnenscheindauer in Std	in % **)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Nurnberg-Kraftshof (Flugh.)	310	14.4	1.4	29.4	27.	-1.5	4.	-2.5	4.	71	5.1	92	167	14	10	2	2	.	2	6	2	11	.	5	1	.	202	82
Pommelsbrunn	368	13.0	0.8	29.1	27.	-2.7	4.	-3.0	4.	74	5.0	112	151	14	11	4	1	.	.	5	3	9	.	5	1	.		
Amberg-Unterammersricht	386	13.5	0.8	28.4	27.	-1.4	4.	-1.8	4.	73	5.2	101	177	14	11	2	.	.	1	1	2	8	.	3	1	.		
Oberviechtach	498	12.7	1.1	26.6	27.	-1.9	4.	-3.1	5.	75	6.1	101	151	14	12	4	2	.	2	5	.	15	.	3	2	.		
Rothenburg o.d. Tauber	406	12.9	0.5	28.6	27.	-1.8	4.	-3.0	4.	77	5.2	116	178	16	13	6	1	.	.	6	4	9	.	3	1	.		
Schwandorf	372	13.4	0.9	29.3	27.	-0.9	4.	-3.1	4.	75	4.9	103	175	14	11	2	.	.	3	4	2	10	.	5	1	.		
Ansbach-Claffheim	481	12.4		27.0	27.	-1.5	4.	-3.1	4.	78	5.7	191		17	15	6	2	.	.	5	1	10	.	2	1	.	180	
Roth b. Nurnberg	340	13.9	0.7	29.9	27.	-2.0	4.	-3.0	4.	75	5.2	164	309	16	14	5	.	.	.	7	2	11	.	4	1	.		
Cham	420	13.9	1.2	27.9	27.	-0.5	4.	-1.4	4.	71	5.0	92	156	14	12	2	2	.	1	6	2	9	.	5	1	.	177	83
Parsberg/Opf.	542	12.6	0.2	26.0	27.	-3.0	4.	-3.6	4.	74	5.1	125	189	15	14	4	.	.	1	4	1	9	.	2	1	.		
Hollenstein-Kraftwerk	403	12.8	1.2	27.4	27.	0.5	4. 6.	-2.5	6.	82	5.6	81	104	16	11	3	1	.	5	2	2	11	.	4	.	.		
Großer Arber (Wst)	1437	7.1		21.9	27.	-5.4	4.			78	5.9	135		17	14	3	6	14	21	4	.	16	.	.	6	2	156	
Regensburg (Wst)	366	14.1	1.2	27.7	27.	-1.2	4.	-2.6	4.	72	5.2	68	115	15	13	3	1	.	3	3	4	11	.	4	1	.	196	87
Weißenburg/Bay. (Wst)	422	13.0	0.8	27.5	27.	-2.0	4.	-4.1	4.	75	5.2	195	283	17	16	7	1	.	3	6	3	10	.	2	1	.	186	79
Fichstätt	397	13.4		27.4	27.	-2.0	4.	-2.4	4.	75	5.1	190	292	17	16	5	1	.	3	7	3	9	.	2	1	.		
Nördlingen	425	13.1	0.9	27.5	27.	-2.6	4.	-3.2	4.	79	5.3	126	217	18	14	7	2	.	1	4	3	13	.	4	1	.	159	
Metten	313	14.0	1.1	28.4	27.	-0.6	4.	-2.3	4.	74	5.6	114	168	16	16	5	1	.	.	4	2	15	.	8	1	.	174	
Kösching	417	13.0	0.2	27.6	27.	-2.0	4.	-3.8	4.	79	6.3	129		17	15	5	.	.	2	5	.	16	.	2	2	.	198	
Freyung v. Wald	645	12.7	1.5	27.6	27.	-0.6	4.	-1.6	4.	75	5.7	132	152	16	14	4	3	.	6	5	3	15	.	5	3	.		
Malkersdorf/Nalb	410	14.2	1.5	27.8	27.	-1.4	4.	-1.7	4.	73	5.1	131	196	16	13	5	.	.	1	3	3	13	.	2	1	.		
Kasheim-Neuhof	516	12.7	0.5	26.3	27.	-1.6	4.	-6.1	4.	71	5.4	173	247	18	16	4	2	.	1	8	2	11	.	2	1	.		
Karlshuld	374	13.5	1.1	27.1	27.	-1.8	4.	-5.0	4.	76	4.9	217	314	19	15	7	.	.	1	4	4	10	.	2	1	.	135	
Mainburg	450	14.2		28.9	27.	-1.0	4.	-3.1	4.	74	5.0	139	170	18	14	5	1	.	1	6	5	10	.	5	1	.	164	
Dillingen, Donau	435	13.8	0.9	28.3	27.	-1.8	4.	-3.3	4.	74	5.2	162	235	16	15	5	.	.	1	6	1	9	.	2	1	.		
Passau-Oberhaus (Wst)	409	14.4	1.3	27.5	27.	0.3	4.	-1.8	4.	72	5.4	96	122	19	12	4	2	.	6	6	2	11	.	6	.	.	139	89
Kumhausen	436	13.8	1.2	29.0	27.	-1.7	4.	-2.7	4.	73	4.5	165	236	15	13	8	2	.	1	6	6	8	.	5	1	.	188	
Falkenberg, Kr. Rottal-Inn	490	13.9	1.2	27.0	27.	0.0	4.	-2.2	4.	69	4.4	94	124	14	11	4	3	.	1	2	2	4	.	3	.	.		
Augsburg-Mühlhausen (Wst)	461	13.3	0.6	27.4	27.	-2.7	4.	-3.2	4.	75	5.0	193	235	18	14	9	2	.	2	8	3	11	.	3	1	.	150	84
Weihenstephan (AMBF)	467	13.3	1.5	27.1	27.	-2.2	4.	-4.1	4.	75	5.1	214	258	18	13	6	2	.	1	7	4	10	.	3	1	.	157	88
Simbach, Inn	360	14.3		26.7	27.	-1.4	4.	-3.0	4.	79	4.9	121	133	14	11	5	.	.	2	3	7	13	.	4	1	.	189	
Krumbach-Edenhausen	520	12.4	0.6	27.4	27.	-3.0	4.	-6.3	4.	74	5.0	192	196	16	12	9	1	.	1	6	4	10	.	2	1	.	177	
Muhldorf/Inn (Wst)	401	13.6	1.0	27.5	27.	-1.9	4.	-3.9	4.	76	5.2	101	126	16	12	4	2	.	3	4	2	10	.	3	1	.	188	83
Munchen-Nymphenburg	515	13.5	1.0	27.1	13.	-1.8	4.	-4.0	4.	73	5.3	170	165	16	14	8	1	.	.	5	2	13	.	4	1	.	193	89
Munchen-Riem (Flugh.)	527	13.3	1.1	26.7	27.	-2.4	4.	-6.8	4.	75	4.8	170	159	16	14	6	2	.	5	6	4	9	.	3	1	.	202	90
Kaufering	585	12.6		26.4	27.	-2.1	4.	-4.9	4.	76	5.7	173		16	12	7	2	.	1	7	1	11	.	2	1	.		
Ebersberg	573	13.1		26.9	27.	-2.2	4.	-3.4	4.	78	5.3	116	109	17	12	4	3	.	4	8	2	10	.	3	1	.		
Trostberg	487	13.7	1.1	28.1	27.	-1.3	4.	-2.9	4.	75	4.9	84	80	14	14	4	1	.	4	5	5	12	.	3	1	.		
Memmingen	595	12.9	1.2	27.2	27.	-2.4	4.	-5.6	*4.	74	5.7	172	174	14	12	8	1	.	1	7	2	14	.	2	1	.		
Kaufbeuren	720	12.2	1.1	25.4	27.	-4.1	4.	-6.0	4.	75	6.1	167	138	17	12	8	3	.	3	7	1	15	.	1	1	.		
Attenkam	665	12.1	0.8	26.8	27.	-2.0	4.	-5.4	4.	73	5.4	201	160	17	14	8	3	1	3	5	1	12	.	2	2	.		
Kotzing 1)	611	13.1	1.3	27.6	27.	-0.5	4.	-1.8	4.	70	5.7	84	58	14	11	4	1	.	2	4	3	14	.	3	1	.		
Rosenheim	446	14.3	1.5	30.3	27.	-1.8	4.	-2.1	4.	77	5.4	90	78	14	13	4	.	.	4	4	1	11	1	6	1	.	181	
Hohenpeißenberg (Observatorium)	977	10.7	0.9	23.0	27.	-1.5	3.	-4.1	4.	76	5.4	168	135	16	14	5	2	3	16	11	2	12	.	.	3	.	192	93
Kempten (Wst)	705	11.9	1.1	26.3	27.	-4.2	4.	-5.4	4.	76	5.6	141	115	16	12	5	2	1	2	9	2	13	.	2	2	.	178	85
Wendelstein (Wst)	1832	5.5	1.1	18.0	27.	-7.4	3.	-8.8	4.	81	5.8	99		17	12	3	9	13	22	7	.	14	.	.	10	2	158	97
Reit im Winkl	695	12.1	1.2	27.6	27.	-2.7	4.	-4.6	4.	75	4.8	94	57	16	12	4	2	2	.	6	3	11	.	2	1	.	176	
Schwangau-Horn	796	11.6	0.8	25.2	27.	-4.0	4.	-5.6	4.	76	5.0	185	124	16	13	5	2	1	2	5	3	12	.	1	1	.		
Garmisch-Partenkirchen (Wst)	719	12.4	1.5	26.6	27.	-1.4	4.	-7.2	4.	75	5.4	98	75	18	12	3	2	.	.	4	1	11	.	3	1	.	187	108
Zugspitze (Wst)	2960	-2.3	0.2	7.2	26.	-14.4	3.			90	5.7	98	58	18	15	4	17	31	30	5	.	12	.	.	29	13	124	108
Oberstdorf (Wst)	810	11.0	0.8	26.8	27.	-4.2	4.	-6.7	4.	72	5.0	125	84	16	13	6	2	1	2	4	3	8	.	2	2	.	180	100

Table 6 ctd. (air temperature in °C) Mai 1985

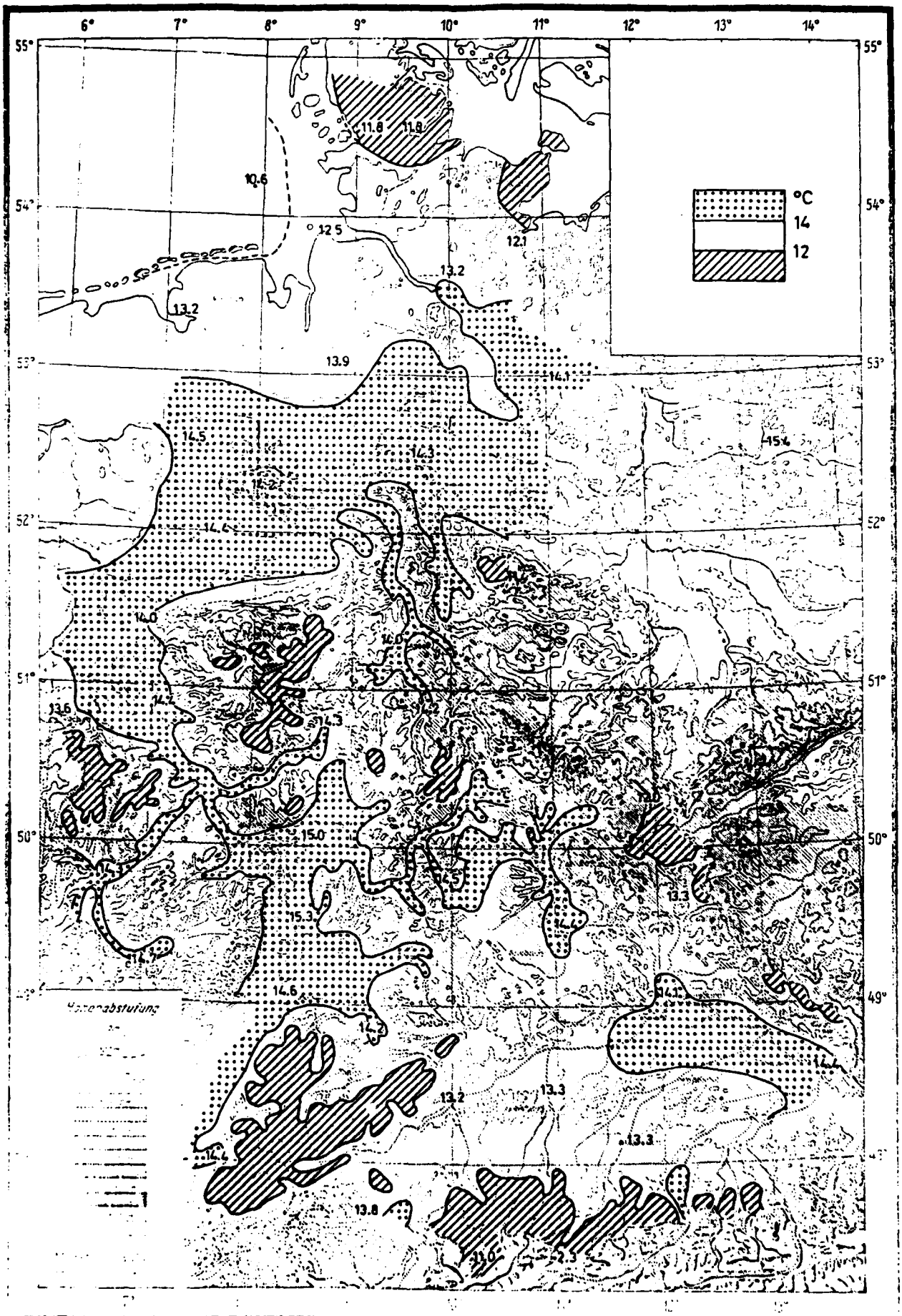


Table 6 ctd. (precipitation in mm)

Mai 1985

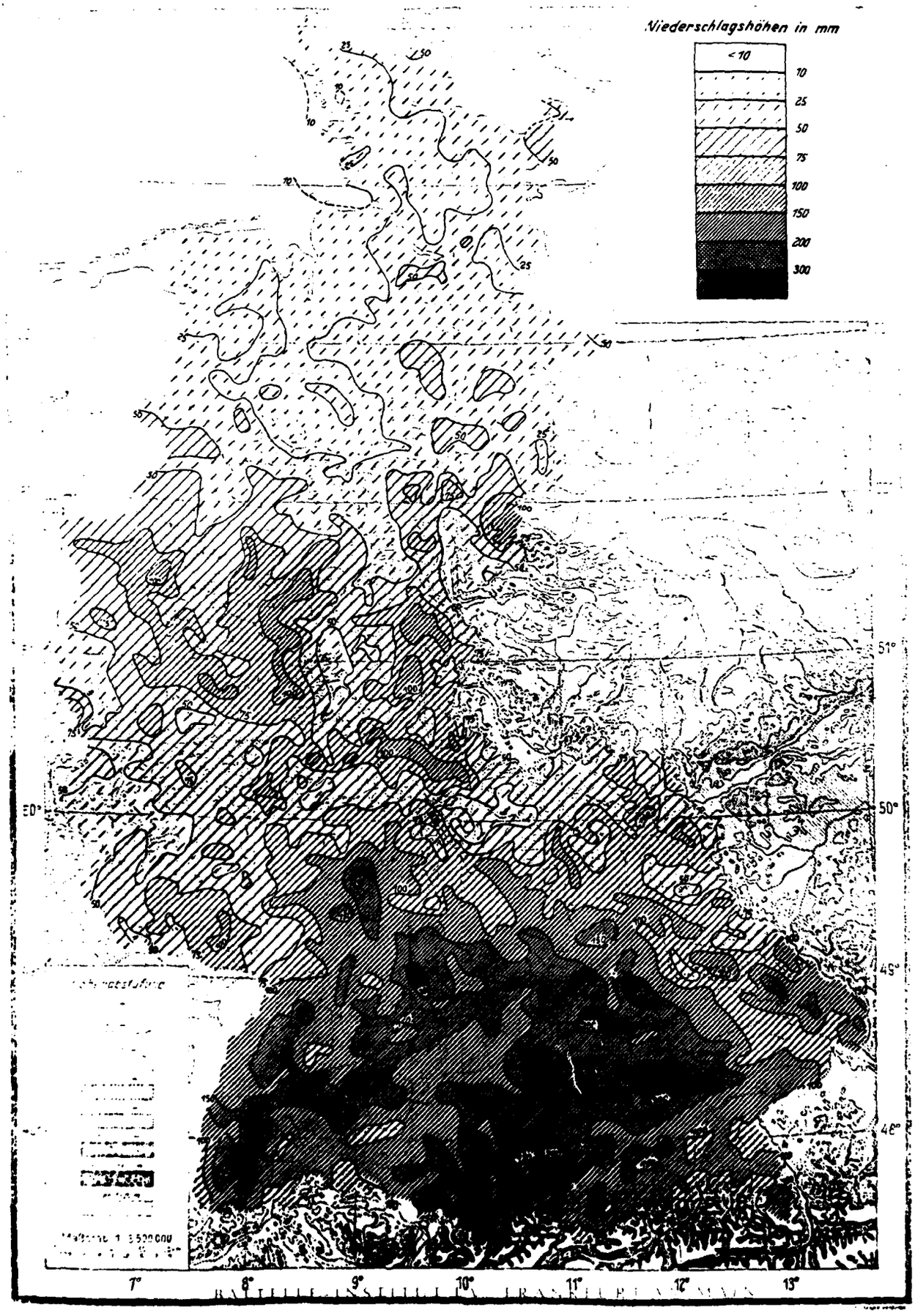


Table 6 ctd. (precipitation in % of 1931 – 1960 mean values) Mai 1985

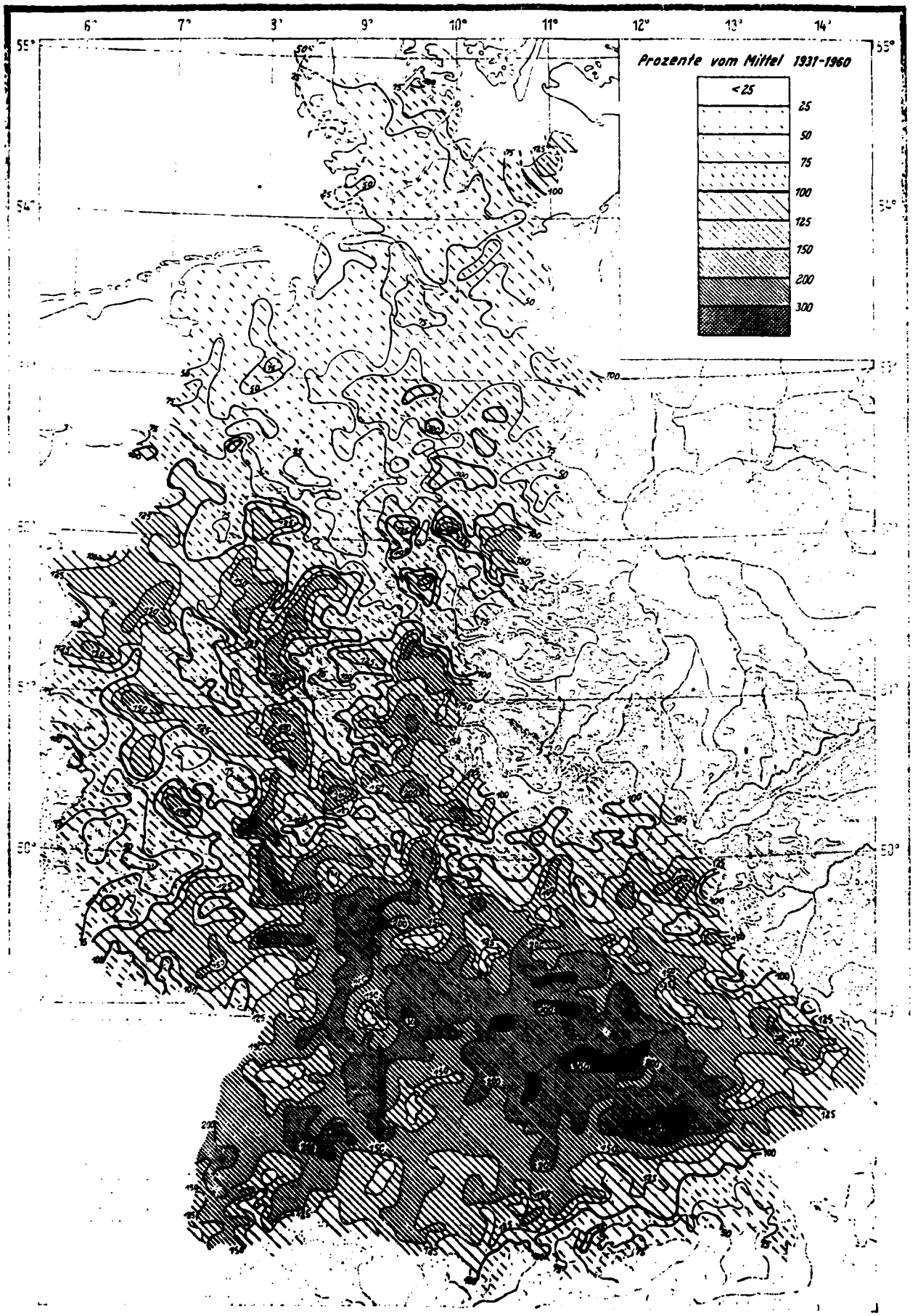


Table 6 ctd. (air temperature in % of 1931 – 1960 mean values)

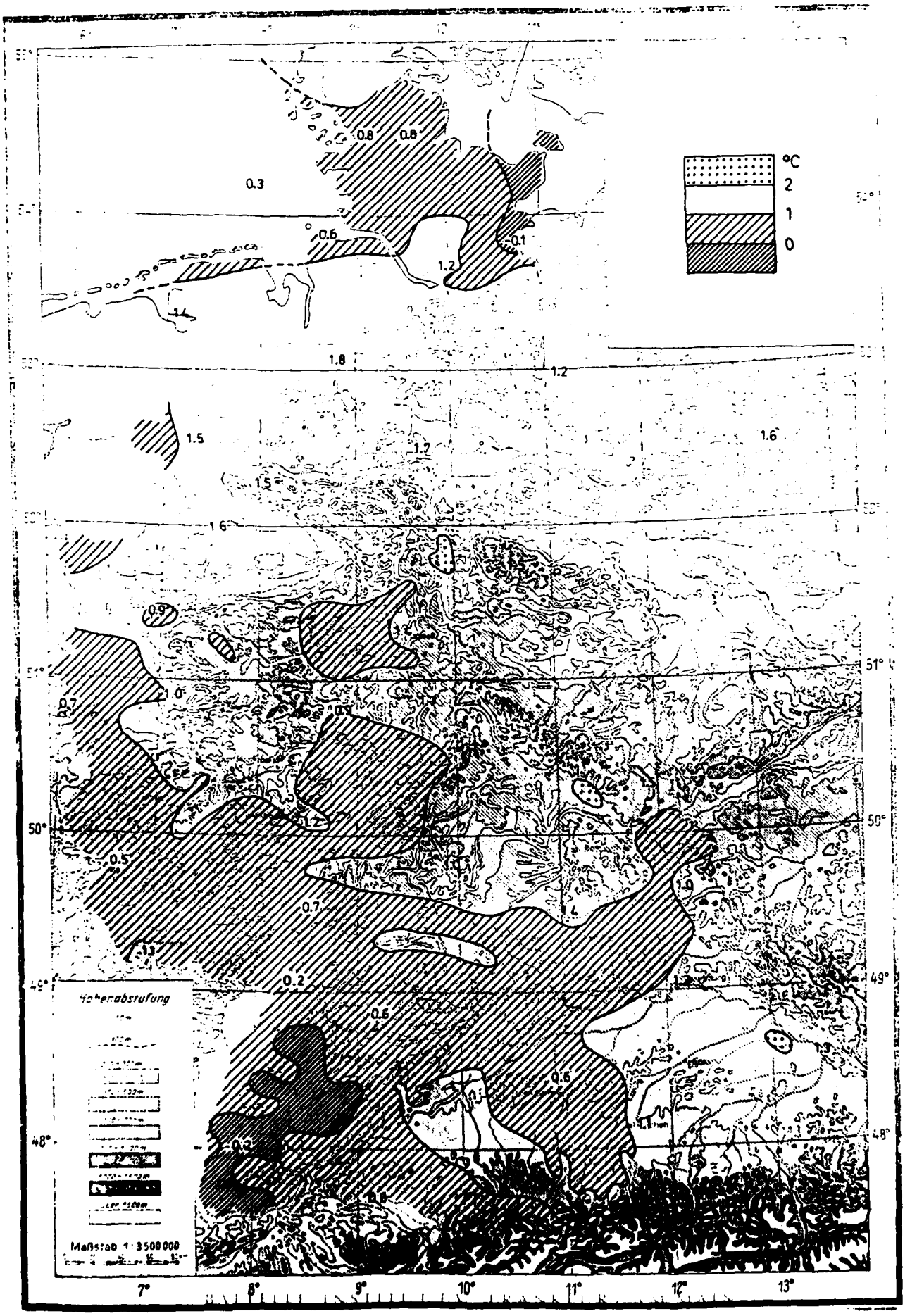


Table 7 Results of Soil Investigations for the Test Sites Visited

Site No.	Sampling Depth in	Specific Gravity g/cm³	Density Bulk- t/m³	Density Dry- t/m³	Moisture Content %	Atterberg Limits Liquid Limit %	Atterberg Limits Plasticity Limit %	Atterberg Limits Plasti-city %	Organic Ingredients %	Soil Type USCS
1	1-4	2,62	1,62	1,13	42,89	69,9	39,5	30,4	9,44	OH
2	1-4	2,68	1,52	1,23	23,80	39,2	22,5	16,7	4,30	CL
3	1-4	2,01	1,04	0,63	65,89		1)		9,60	SM
4	1-4	-	1,03	0,54	92,19		1)		26,12	Pt
5	1-3	2,65	1,59	1,30	22,63	30,9	23,9	7,0	3,08	ML
6/1	1-4	-	1,12	0,47	138,38		1)		29,66	Pt
6/2	7-10	-	1,26	0,44	184,67		1)		20,34	Pt
7	1-4	-	1,56	0,94	65,16		1)		15,95	Pt
8	1-4	-	0,98	0,32	201,57		1)		57,47	Pt
9	1-4	2,63	1,87	1,38	35,81	41,4	30,0	11,4	5,24	ML
10	1-3	2,67	1,68	1,02	64,20	75,9	43,1	32,8	13,83	OH
11	1-3	2,57	1,47	1,20	22,69	38,9	22,9	16,0	7,16	CL
12	1-4	2,63	1,76	1,17	50,00	73,3	42,7	30,6	6,02	OH
13/1	1-4	-	1,37	0,52	161,04		1)		18,84	Pt
13/2	6-9	-	1,54	0,78	96,40		1)		18,34	Pt
14	1-4	2,51	1,88	1,32	42,25	61,7	45,7	16,0	7,86	OH
15	1-4	2,57	1,54	1,23	24,93		1)		5,48	SP
16	1-4	-	1,59	1,02	56,18		1)		16,40	Pt
17	1-4	2,48	1,68	1,42	18,51		1)		5,21	SP
18	1-4	2,57	2,11	1,69	24,63	33,3	23,3	10,0	5,97	ML
19	1-4	-	1,13	0,23	391,59		1)		58,65	Pt
20	2-5	2,74	1,52	0,86	75,78		1)		8,86	SM
21	1-4	-	1,20	0,32	277,70		1)		43,94	Pt
22	0-4	2,57	1,56	1,07	45,71	78,9	38,0	40,9	8.02	CH
23	0-4	2,53	1,94	1,43	35,67		1)		5,28	SM
24	0-4	2,52	2,16	1,66	30,06		1)		3,27	SM
25/1	1-4	2,59	1,52	0,70	117,24	150,0	91,7	58,3	15,73	OH
25/2	6-9	2,67	1,81	1,20	51,28	83,8	45,1	38,7	8,42	OL
26	1-4	2,52	1,79	1,32	35,36	82,8	41,1	41,7	17,33	OL
27	1-4	2,39	1,45	0,67	117,58	136,5	70,8	65,7	21,23	OH
28/1	1-4	2,52	1,59	0,98	62,44	116,4	53,7	62,7	12,29	OH
28/2	6-9	2,60	1,74	1,15	51,10	83,2	37,2	46,0	9,88	CH
29	0-3	2,60	1,60	1,32	21,25	35,9	21,2	14,7	5,24	CL
30	1-4	2,56	1,64	1,17	40,76	70,4	48,5	21,9	11,38	OH
31	1-4	2,58	1,90	1,34	41,51	62,5	35,3	27,2	15,17	OH
32	1-4	2,51	1,82	1,09	67,23	85,2	60,6	24,6	17,07	OH
33	1-4	2,61	1,87	1,44	30,02	70,7	34,7	36,0	11,58	OH
34	1-4	2,54	1,33	0,84	58,19	111,2	55,6	55,6	19,43	OH
35	3-6	-	1,78	1,03	73,23		1)		10,57	Pt

1) Plasticity too low to determine the Atterberg limits

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
1	141	5916	6050/4170	.33	1.09	.47	.50	4
1	142	5916	6050/4170	.34	2.59	.38	.50	4
1	143	5916	6050/4170	.16	1.85	.19	.50	4
1	144	5916	6050/4170	1.34	2.66	.32	.50	4
1	145	5916	6050/4170	1.51	2.54	.95	.50	4
1	147	5916	6050/4170	.41	8.84	.86	5.60	4
1	148	5916	6050/4170	.46	9.92	.71	5.60	4
1	149	5916	6050/4170	1.35	10.12	.73	5.60	4
1	150	5916	6050/4170	1.36	10.51	1.02	5.60	4
1	151	5916	6050/4170	.44	13.44	.67	11.25	4
1	152	5916	6050/4170	.38	13.42	.47	11.25	4
1	153	5916	6050/4170	.50	12.53	1.11	11.25	4
1	154	5916	6050/4170	1.27	12.88	.63	11.25	4
1	155	5916	6050/4170	1.30	16.64	1.52	11.25	4
2	156	5916	6001/4565	.49	4.30	.56	.50	4
2	157	5916	6001/4565	.41	5.14	.32	.50	4
2	158	5916	6001/4565	1.28	6.81	.36	.50	4
2	159	5916	6001/4565	1.29	5.58	.36	.50	4
2	160	5916	6001/4565	1.35	9.12	.53	.50	4
2	162	5916	6001/4565	.49	12.70	.82	5.60	4
2	163	5916	6001/4565	1.24	11.94	.54	5.60	4
2	164	5916	6001/4565	1.24	12.05	1.08	5.60	4
2	165	5916	6001/4565	.56	12.23	.61	11.25	4
2	166	5916	6001/4565	.46	9.73	.60	11.25	4
2	167	5916	6001/4565	1.17	13.51	.70	11.25	4
2	168	5916	6001/4565	1.23	11.75	.69	11.25	4
2	169	5916	6001/4565	1.26	13.50	.79	11.25	4
3	170	5918	8340/4665	.39	3.31	.28	.50	4
3	174	5918	8340/4665	.32	3.31	.25	.50	4
3	175	5918	8340/4665	.39	2.56	.36	.50	4
3	176	5918	8340/4665	1.15	4.52	.28	.50	4
3	177	5918	8340/4665	.46	8.17	.47	5.60	4
3	178	5918	8340/4665	.45	6.96	.41	5.60	4
3	179	5918	8340/4665	.47	8.32	.41	5.60	4
3	180	5918	8340/4665	1.33	13.35	.51	5.60	4
3	181	5918	8340/4665	1.33	8.31	.41	5.60	4
3	182	5918	8340/4665	1.41	7.11	1.00	5.60	4
3	183	5918	8340/4665	1.37	7.87	.62	5.60	4
3	184	5918	8340/4665	.49	9.91	.53	11.25	4
3	185	5918	8340/4665	.41	13.92	.30	11.25	4
3	186	5918	8340/4665	.60	6.80	.44	11.25	4
3	187	5918	8340/4665	.66	7.32	.42	11.25	4
3	188	5918	8340/4665	1.13	6.80	.16	11.25	4
6	189	3528	0670/2725	.52	1.88	.82	.50	4
6	190	3528	0670/2725	.38	2.65	.57	.50	4
6	191	3528	0670/2725	1.08	2.82	.26	.50	4
6	192	3528	0670/2725	1.41	2.34	1.07	.50	4

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
6	193	3528	0670/2725	1.17	2.96	.44	.50	4
6	194	3528	0670/2725	.43	9.53	1.07	5.60	4
6	195	3528	0670/2725	.38	9.35	.68	5.60	4
6	196	3528	0670/2725	1.27	10.75	.81	5.60	4
6	197	3528	0670/2725	1.26	8.77	.61	5.60	4
6	198	3528	0670/2725	.34	11.84	.44	11.25	4
6	199	3528	0670/2725	.32	12.04	.52	11.25	4
6	200	3528	0670/2725	1.16	14.33	.49	11.25	4
6	201	3528	0670/2725	1.15	13.40	.61	11.25	4
7	216	3528	0600/2325	.59	3.41	.59	.50	4
7	217	3528	0600/2325	.41	4.33	.75	.50	4
7	218	3528	0600/2325	.64	2.43	1.04	.50	4
7	219	3528	0600/2325	.36	3.11	.45	.50	4
7	220	3528	0600/2325	1.24	5.51	.56	.50	4
7	221	3528	0600/2325	1.01	3.92	.34	.50	4
7	222	3528	0600/2325	.46	8.32	.47	5.60	4
7	223	3528	0600/2325	.40	5.72	.32	5.60	4
7	224	3528	0600/2325	.47	8.08	.44	5.60	4
7	225	3528	0600/2325	1.43	8.39	.52	5.60	4
7	226	3528	0600/2325	1.44	9.25	.62	5.60	4
7	227	3528	0600/2325	.32	8.64	.24	11.25	4
7	228	3528	0600/2325	.44	10,55	.47	11.25	4
7	229	3528	0600/2325	1.17	12.43	.53	11.25	4
7	230	3528	0600/2325	1.26	9.44	.42	11.25	4
8	231	3528	0500/2565	.32	3.20	.39	.50	4
8	232	3528	0500/2565	.42	3.42	.29	.50	4
8	233	3528	0500/2565	.51	2.62	.32	.50	4
8	234	3528	0500/2565	1.23	2.32	.37	.50	4
8	235	3528	0500/2565	1.29	3.19	.76	.50	4
8	236	3528	0500/2565	.56	8.23	.50	5.60	4
8	237	3528	0500/2565	.52	6.88	.47	5.60	4
8	238	3528	0500/2565	.55	7.14	.47	5.60	4
8	239	3528	0500/2565	1.13	8.38	.45	5.60	4
8	241	3528	0500/2565	1.20	8.19	.52	5.60	4
8	242	3528	0500/2565	1.18	6.78	.37	5.60	4
8	243	3528	0500/2565	.58	10.75	.54	11.25	4
8	244	3528	0500/2565	.57	10.00	.36	11.25	4
8	245	3528	0500/2565	.46	10.11	.36	11.25	4
8	246	3528	0500/2565	1.18	10.31	.46	11.25	4
8	247	3528	0500/2565	1.33	10.47	.43	11.25	4
9	248	3730	2720/8630	.42	3.29	.28	.50	4
9	249	3730	2720/8630	.51	2.94	.58	.50	4
9	250	3730	2720/8630	.52	3.27	.89	.50	4
9	251	3730	2720/8630	1.26	2.44	.46	.50	4
9	252	3730	2720/8630	1.37	3.05	.64	.50	4
9	253	3730	2720/8630	.52	6.19	.51	5.60	4
9	254	3730	2720/8630	.57	5.71	.52	5.60	4

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
9	255	3730	2720/8630	.45	5.90	.45	5.60	4
9	256	3730	2720/8630	1.38	9.41	.75	5.60	4
9	257	3730	2720/8630	1.33	8.24	.46	5.60	4
9	258	3730	2720/8630	1.41	7.78	.96	5.60	4
9	259	3730	2720/8630	.54	9.78	.57	11.25	4
9	260	3730	2720/8630	.56	8.52	.45	11.25	4
9	261	3730	2720/8630	.58	6.61	.60	11.25	4
9	262	3730	2720/8630	1.37	11.01	.69	11.25	4
9	263	3730	2720/8630	1.38	9.34	.49	11.25	4
10	264	3730	3050/8775	.42	1.36	.29	.50	4
10	265	3730	3050/8775	.56	1.54	.71	.50	4
10	267	3730	3050/8775	1.37	2.84	.51	.50	4
10	268	3730	3050/8775	.59	3.14	.80	5.60	4
10	269	3730	3050/8775	.63	2.47	.66	5.60	4
10	270	3730	3050/8775	1.49	3.24	1.04	5.60	4
10	271	3730	3050/8775	1.44	3.02	.60	5.60	4
10	272	3730	3050/8775	.59	3.81	.68	11.25	4
10	273	3730	3050/8775	.52	3.36	1.04	11.25	4
10	274	3730	3050/8775	1.44	3.73	.51	11.25	4
10	275	3730	3050/8775	1.45	3.46	.83	11.25	4
10	276	3730	3050/8775	1.27	4.42	.58	11.25	4
11	277	4724	6630/7525	.43	2.02	.45	.50	4
11	278	4724	6630/7525	.37	3.13	.39	.50	4
11	279	4724	6630/7525	.49	5.96	.51	.50	4
11	280	4724	6630/7525	.53	8.34	.62	.50	4
11	281	4724	6630/7525	1.31	5.27	.59	.50	4
11	282	4724	6630/7525	1.26	9.62	.58	.50	4
11	283	4724	6630/7525	1.11	11.19	.51	.50	4
11	284	4724	6630/7525	.41	12.66	.31	5.60	4
11	285	4724	6630/7525	.43	13.95	.63	5.60	4
11	286	4724	6630/7525	1.31	14.02	.94	5.60	4
11	287	4724	6630/7525	1.31	14.70	1.00	5.60	4
11	288	4724	6630/7525	.57	14.92	.84	11.25	4
11	289	4724	6630/7525	.59	16.07	.87	11.25	4
11	290	4724	6630/7525	1.27	16.59	.72	11.25	4
11	291	4724	6630/7525	1.24	18.43	.66	11.25	4
12	292	4924	6425/7075	.60	6.36	.43	.50	4
12	293	4924	6425/7075	.43	8.17	.59	.50	4
12	294	4924	6425/7075	1.36	8.62	.73	.50	4
12	295	4924	6425/7075	1.38	9.99	.71	.50	4
12	296	4924	6425/7075	.45	15.58	.95	5.60	4
12	297	4924	6425/7075	.44	13.76	.65	5.60	4
12	298	4924	6425/7075	1.26	15.49	.96	5.60	4
12	299	4924	6425/7075	1.12	15.00	.96	5.60	4
12	300	4924	6425/7075	.51	14.96	.58	11.25	4
12	301	4924	6425/7075	.42	15.24	.68	11.25	4
12	302	4924	6425/7075	.90	18.06	.81	11.25	4

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
12	303	4924	6425/7075	.81	15.16	.61	11.25	4
13	304	3122	3560/6820	.57	5.08	1.06	.50	4
13	305	3122	3560/6820	.51	5.58	1.04	.50	4
13	306	3122	3560/6820	.53	4.87	1.61	.50	4
13	307	3122	3560/6820	1.16	4.19	1.06	.50	4
13	308	3122	3560/6820	1.36	3.43	1.03	.50	4
13	309	3122	3560/6820	.54	8.68	1.08	5.60	4
13	310	3122	3560/6820	.64	15.55	2.37	5.60	4
13	311	3122	3560/6820	.62	8.83	1.45	5.60	4
13	314	3122	3560/6820	.55	9.87	.97	11.25	4
13	315	3122	3560/6820	.62	7.97	.63	11.25	4
13	316	3122	3560/6820	1.31	9.30	.94	11.25	4
13	317	3122	3560/6820	1.22	9.93	.91	11.25	4
14	331	1322	3480/6285	.56	4.08	.60	.50	4
14	332	1322	3480/6285	.55	4.12	.71	.50	4
14	333	1322	3480/6285	1.51	3.05	.92	.50	4
14	334	1322	3480/6285	.79	3.98	.35	.50	4
14	335	1322	3480/6285	1.16	3.90	.98	.50	4
14	336	1322	3480/6285	1.27	5.41	.60	.50	4
14	337	1322	3480/6285	.69	5.33	.74	5.60	4
14	338	1322	3480/6285	.59	7.27	.44	5.60	4
14	339	1322	3480/6285	.57	9.90	.68	5.60	4
14	340	1322	3480/6285	.34	9.99	.54	5.60	4
14	341	1322	3480/6285	1.35	11.75	.68	5.60	4
14	342	1322	3480/6285	1.42	12.60	.83	5.60	4
14	343	1322	3480/6285	1.40	10.31	.73	5.60	4
14	344	1322	3480/6285	.45	15.65	.50	11.25	4
14	345	1322	3480/6285	.51	11.07	.59	11.25	4
14	346	1322	3480/6285	.59	13.41	.57	11.25	4
14	347	1322	3480/6285	1.33	15.32	.60	11.25	4
14	348	1322	3480/6285	1.31	18.32	.69	11.25	4
14	349	1322	3480/6285	1.35	15.42	.63	11.25	4
18	350	1924	6140/0185	.55	2.87	.61	.50	4
18	351	1924	6140/0185	.58	2.63	.79	.50	4
18	352	1924	6140/0185	.55	2.54	.37	.50	4
18	353	1924	6140/0185	1.50	3.77	.80	.50	4
18	354	1924	6140/0185	1.25	5.03	.53	.50	4
18	355	1924	6140/0185	1.08	4.95	.60	.50	4
18	356	1924	6140/0185	.53	5.79	.48	5.60	4
18	357	1924	6140/0185	.47	6.88	1.04	5.60	4
18	358	1924	6140/0185	1.47	6.36	.75	5.60	4
18	359	1924	6140/0185	1.35	4.74	1.74	5.60	4
18	360	1924	6140/0185	1.36	8.23	.66	5.60	4
18	361	1924	6140/0185	.40	10.89	.56	11.25	4
18	362	1924	6140/0185	.59	7.97	.82	11.25	4
18	363	1924	6140/0185	.51	7.23	.55	11.25	4
18	364	1924	6140/0185	1.46	5.80	.79	11.25	4

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
18	365	1924	6140/0185	1.27	9.15	1.05	11.25	4
18	366	1924	6140/0185	1.44	8.07	1.16	11.25	4
19	367	1924	6140/0280	.59	2.81	.86	.50	4
19	368	1924	6140/0280	.62	4.16	.86	.50	4
19	369	1924	6140/0280	.63	2.75	.65	.50	4
19	370	1924	6140/0280	1.37	3.08	1.33	.50	4
19	371	1924	6140/0280	1.38	3.28	1.82	.50	4
19	373	1924	6140/0280	.61	4.86	.55	5.60	4
19	374	1924	6140/0280	.65	5.78	.96	5.60	4
19	375	1924	6140/0280	1.26	5.00	1.08	5.60	4
19	376	1924	6140/0280	1.43	4.69	.50	5.60	4
19	377	1924	6140/0280	.54	6.07	.68	11.25	4
19	378	1924	6140/0280	.58	6.68	.73	11.25	4
19	379	1924	6140/0280	1.22	7.32	.56	11.25	4
19	380	1924	6140/0280	1.46	5.39	.61	11.25	4
20	381	2724	5240/0345	.58	1.38	.92	.50	5
20	382	2724	5240/0345	.50	1.54	.52	.50	5
20	383	2724	5240/0345	1.05	1.85	.58	.50	5
20	384	2724	5240/0345	1.24	2.08	.58	.50	5
20	385	2724	5240/0345	.53	2.81	.46	5.60	5
20	386	2724	5240/0345	1.30	3.48	.82	5.60	5
20	387	2724	5240/0345	1.46	3.76	1.31	5.60	5
20	388	2724	5240/0345	.37	4.08	.23	11.25	5
20	389	2724	5240/0345	.49	2.93	.67	11.25	5
20	390	2724	5240/0345	1.30	3.64	.63	11.25	5
20	391	2724	5240/0345	1.46	6.11	.96	11.25	5
20	392	2724	5240/0345	1.29	3.35	.28	11.25	5
21	393	2724	5375/9960	.47	1.90	1.15	.50	4
21	394	2724	5375/9960	.60	2.00	.73	.50	4
21	395	2724	5375/9960	.57	2.59	1.18	.50	4
21	396	2724	5375/9960	1.56	2.25	1.64	.50	4
21	397	2724	5375/9960	1.31	2.39	.70	.50	4
21	398	2724	5375/9960	.65	3.67	.75	5.60	4
21	399	2724	5375/9960	.61	4.45	.94	5.60	4
21	400	2724	5375/9960	1.41	4.15	.56	5.60	4
21	401	2724	5375/9960	1.50	6.00	1.63	5.60	4
21	402	2724	5375/9960	.60	6.35	.99	11.25	4
21	403	2724	5375/9960	.60	6.09	.74	11.25	4
21	404	2724	5375/9960	1.41	7.77	1.23	11.25	4
21	405	2724	5375/9960	1.35	8.61	.97	11.25	4
23	406	3908	8200/6815	.56	2.49	.70	.50	4
23	407	3908	8200/6815	.53	1.98	.62	.50	4
23	408	3908	8200/6815	.33	2.83	.18	.50	4
23	409	3908	8200/6815	1.26	3.06	.37	.50	4
23	410	3908	8200/6815	1.30	2.47	.74	.50	4
23	411	3908	8200/6815	1.27	2.09	.64	.50	4
23	414	3908	8200/6815	.58	7.80	.60	5.60	4

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
23	415	3908	8200/6815	1.32	5.77	.45	5.60	4
23	416	3908	8200/6815	1.09	5.41	.34	5.60	4
23	417	3908	8200/6815	.56	9.14	.40	11.25	4
23	418	3908	8200/6815	.71	8.46	.45	11.25	4
23	419	3908	8200/6815	1.10	8.83	.33	11.25	4
23	420	3908	8200/6815	1.35	8.55	.42	11.25	4
23	421	3908	8200/6815	1.39	9.52	.44	11.25	4
25	422	5734	6810/7780	.63	1.80	.68	.50	4
25	423	5734	6810/7780	.67	2.62	1.34	.50	4
25	424	5734	6810/7780	.75	1.33	1.24	.50	4
25	425	5734	6810/7780	1.35	2.10	1.09	.50	4
25	426	5734	6810/7780	1.63	1.91	1.49	.50	4
25	427	5734	6810/7780	1.58	1.61	.89	.50	4
25	428	5734	6810/7780	.65	2.96	.97	5.60	4
25	429	5734	6810/7780	.76	3.22	1.28	5.60	4
25	430	5734	6810/7780	.82	1.67	.38	5.60	4
25	431	5734	6810/7780	1.25	2.26	.55	5.60	4
25	432	5734	6810/7780	.59	4.07	1.04	11.25	4
25	433	5734	6810/7780	.71	2.68	.87	11.25	4
25	434	5734	6810/7780	1.26	2.54	.13	11.25	4
25	435	5734	6810/7780	1.50	3.55	.81	11.25	4
27	442	5934	8255/5535	.59	4.95	1.77	.50	4
27	444	5934	8255/5535	.58	4.40	1.49	.50	4
27	445	5934	8255/5535	1.18	4.15	.41	.50	4
27	446	5934	8255/5535	1.48	4.37	.79	.50	4
27	447	5934	8255/5535	.59	8.52	1.19	5.60	4
27	448	5934	8255/5535	.60	7.86	1.00	5.60	4
27	449	5934	8255/5535	1.24	9.35	.79	5.60	4
27	450	5934	8255/5535	1.25	8.07	.94	5.60	4
27	451	5934	8255/5535	.65	9.64	.68	11.25	4
27	452	5934	8255/5535	.65	9.50	1.36	11.25	4
27	453	5934	8255/5535	1.30	13.46	1.14	11.25	4
27	454	5934	8255/5535	1.42	9.97	1.00	11.25	4
27	455	5934	8255/5535	1.39	10.85	.98	11.25	4
28	457	6334	3535/1800	.48	11.11	.89	.50	5
28	458	6334	3535/1800	.55	9.01	.67	.50	5
28	459	6334	3535/1800	1.46	12.03	.67	.50	5
28	460	6334	3535/1800	1.37	10.49	.98	.50	5
28	461	6334	3535/1800	.60	15.30	.82	5.60	5
28	462	6334	3535/1800	.57	13.60	.89	5.60	5
28	463	6334	3535/1800	1.26	15.64	.66	5.60	5
28	464	6334	3535/1800	1.44	12.67	.69	5.60	5
28	465	6334	3535/1800	.52	18.08	.52	11.25	5
28	466	6334	3535/1800	.47	13.71	.63	11.25	5
28	467	6334	3535/1800	.56	13.60	.61	11.25	5
28	468	6334	3535/1800	1.15	22.11	1.18	11.25	5
28	469	6334	3535/1800	1.23	15.94	.65	11.25	5

Table 8 Summary of the Test Site Data Obtained

SITE NO.	TEST NO.	QUAD SHEET	GRID COORD.	RATE in/s	AT PEAK SHEAR STRESS psi	AT PEAK DISPL. in	NORMAL STRESS psi	SAMPLE DEPTH in
28	470	6334	3535/1800	1.38	16.95	.83	11.25	5
31	474	7738	8480/4710	.58	2.45	1.17	.50	4
31	475	7738	8480/4710	.59	4.85	.70	.50	4
31	478	7738	8480/4710	1.40	4.67	.57	.50	4
31	479	7738	8480/4710	1.54	2.16	.83	.50	4
31	480	7738	8480/4710	.67	11.87	.68	5.60	4
31	481	7738	8480/4710	.68	11.90	1.58	5.60	4
31	482	7738	8480/4710	1.55	7.68	1.02	5.60	4
31	483	7738	8480/4710	1.42	4.86	1.61	5.60	4
31	484	7738	8480/4710	1.54	9.57	1.64	5.60	4
31	485	7738	8480/4710	.57	6.69	.90	11.25	4
31	486	7738	8480/4710	.59	9.29	1.67	11.25	4
31	487	7738	8480/4710	1.48	5.96	.78	11.25	4
31	488	7738	8480/4710	1.53	7.23	1.99	11.25	4
34	489	8118	8045/9530	.52	4.72	.39	.50	4
34	490	8118	8045/9530	.36	3.61	.19	.50	4
34	491	8118	8045/9530	1.28	5.48	.39	.50	4
34	492	8118	8045/9530	1.20	6.96	.45	.50	4
34	493	8118	8045/9530	.67	10.96	1.18	5.60	4
34	494	8118	8045/9530	.57	11.48	1.53	5.60	4
34	495	8118	8045/9530	1.23	13.79	1.12	5.60	4
34	496	8118	8045/9530	1.23	12.18	.62	5.60	4
34	497	8118	8045/9530	.59	12.81	1.05	11.25	4
34	498	8118	8045/9530	.60	12.72	.64	11.25	4
34	500	8118	8045/9530	1.40	15.95	1.01	11.25	4
35	501	6510	8480/7100	.52	4.43	.44	.50	6
35	502	6510	8480/7100	.51	3.36	.42	.50	6
35	503	6510	8480/7100	1.48	5.04	.66	.50	6
35	504	6510	8480/7100	1.49	3.81	.58	.50	4
35	505	6510	8480/7100	1.53	3.42	.68	.50	6
35	506	6510	8480/7100	.66	6.00	.73	5.60	6
35	507	6510	8480/7100	.57	6.36	.76	5.60	6
35	508	6510	8480/7100	1.44	4.91	.42	5.60	6
35	509	6510	8480/7100	1.53	3.75	1.08	5.60	6
35	510	6510	8480/7100	1.44	8.34	.80	5.60	6
35	511	6510	8480/7100	1.40	7.25	.44	5.60	6
35	512	6510	8480/7100	.60	10.16	.53	11.25	6
35	513	6510	8480/7100	.48	4.75	.26	11.25	6
35	514	6510	8480/7100	.66	5.96	.77	11.25	6
35	515	6510	8480/7100	1.51	5.04	.88	11.25	6

Table 9 Mean Values for the Correlation Coefficient r_i

	Soil Type				Plasticity		Moisture Content		Organic Ingredients	
	CC,ML,SM,OH,Pt		CL,ML/OH		0 - 100%					
	RCI	CI	RCI	CI	RCI	CI	RCI	CI	RCI	CI
0.5 psi	.455*)	.487*)	.509/.379	.504/.451	.581	.455	.729	.701	.441	.570
5.6 psi	.546	.544	.899/.683	.882/.455	.841	.843*)	.766	.663	.702	.511
11.25	.481	.528	.905/.685	.896/.528	.836	.870	.642	.721*)	.690	.541

*) Neg.Gradient for CL,ML
Tests neglected

*) Neg.Gradient for > 50%
Tests neglected

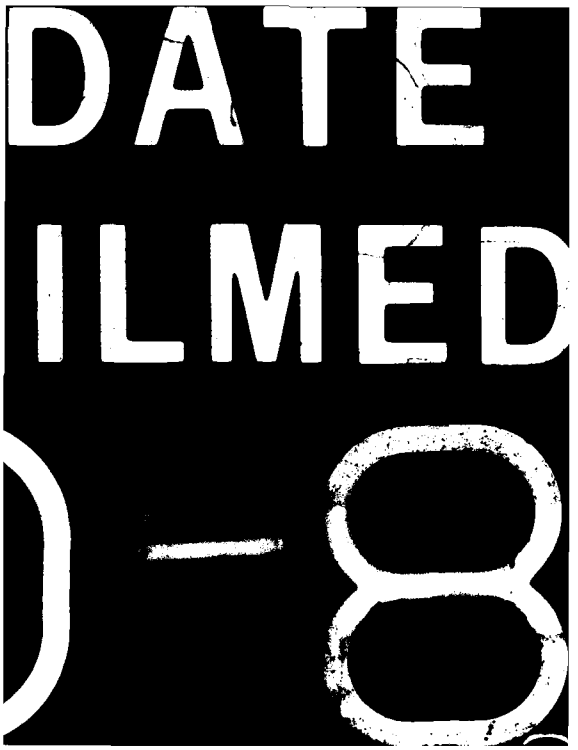
*) without Pt-Soils

r_i	Correlation Quality
0.6 - 0.8	high accuracy
0.8 - 1	extremely high accuracy

Table 10 Comparison of Predicted and Measured Cone-Index Values

Site No.	Soil Type USCS	Density pci	Mean Values: Cohesion psi	Friction angle deg	Initial Modulus G (psi) for the applied stresses 0.5	5.6	11.25	(psi/in.) for the average out of 5.6 and 11.25	Cone-Index depth = 4": predicted	measured	3-5" [1] measured
1	OH	.0585	1	18	140	500	480	490	71	64	65
2	CL	.0549	4.3	6	220	310	580	440	77	72	72
3	SM	.0376	3	8	180	320	450	380	65	66	64
7	Pt	.0564	3	12	150	410	440	420	90	58	58
9	ML	.0676	2.1	7	110	350	520	430	47	43	41
10	OH	.0607	1.5	12	100	80	220	150	42	44	40
11	CL	.0531	6	8	200	700	500	600	123	112	110
12	OH	.0636	7	0	150	290	520	400	74	96	96
14	OH	.0679	3	18	140	270	440	360	129	77	71
18	ML	.0760	2.8	7	170	240	260	250	53	49	47
20	SM	.0549	1.5	5	120	150	350	250	27	28	22
23	SM	.070	2	18	240	420	590	500	111 [2]	17	20
25/1	OH	.0549	1.7	12	70	80	190	140	45	67	68
25/2	OL	.0654	6	0	150	120	200	160	57	107 [5]	107 [5]
27	OH	.0524	4	7	190	700	420	560	82	90	88
28/1	OH	.0574	9	0	330	940	990	970	102	78 [3]	80 [3]
28/2	CH	.0629	3	0	100	300	700	500	36	110 [3]	101 [3]
34	OH	.0481	4	0	350	310	730	520	47	53	53
35	Pt	.0643	4	5	200	240	260	250	61	61 [4]	63 [4]

1) for comparison purposes a profile value btw. 3-5" was recorded here
2) deviation needs to be investigated further
3) sample depth 5"; 4-6"
4) " " 6"; 5-9"
5) " " 9"; 6-12"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